Flexibook

Pocket Atlas of

Sectional Anatomy

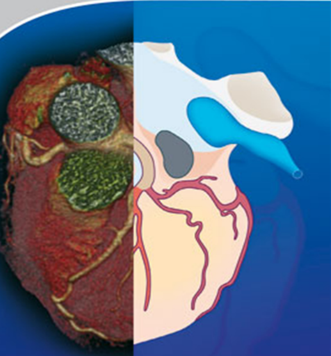
Computed Tomography and Magnetic Resonance Imaging

T. B Moeller
E. Reif

Volume II: Thorax, Heart, Abdomen and Pelvis

basic sciences

3rd edition,
revised and updated



Thieme

VISIT…

LANZAROTE
Caliente.COM

Thieme

Pocket Atlas of Sectional Anatomy

Computed Tomography and Magnetic Resonance Imaging

Volume II
Thorax, Heart, Abdomen, and Pelvis

Torsten B. Moeller, MD
Department of Radiology
Caritas Hospital
Dillingen, Germany

Emil Reif, MD
Department of Radiology
Caritas Hospital
Dillingen, Germany

Third edition, revised and updated

443 Illustrations

Thieme
Stuttgart · New York

Library of Congress Cataloging-in Publication Data is available from the publisher

Translation of heart section: Barbara Herzberger, MD, Munich, Germany
Illustrator: Gay & Sender, Bremen

This book is an authorized revised new edition based on the 2nd German edition published and copyrighted 2000 by Georg Thieme Verlag, Stuttgart, Germany. Title of the German Edition: Taschenatlas der Schnittbildanatomie

1st German edition 1993
1st English edition 1994
1st Japanese edition 1994
1st Spanish edition 1995
1st Greek edition 1995
1st French edition 1996
2nd German edition 2000
2nd English edition 2001

© 1994, 2007 Georg Thieme Verlag
Rüdigerstrasse 14, 70469 Stuttgart, Germany
Thieme New York, 333 Seventh Avenue, New York, N.Y. 10001, USA

Typesetting by
primustype Robert Hurler GmbH, Notzingen, Germany
Printed in Germany by
Appl Aprinta Druck, Wemding

ISBN 10: 3-13-125603-6 (GTV)
ISBN 13: 978-3-13-125603-4 (GTV)
ISBN 10: 1-58890-577-2 (TNY)
ISBN 13: 978-1-58890-577-2 (TNY)

1 2 3 4 5

Important Note: Medicine is an ever-changing science undergoing continual development. Research and clinical experience are continually expanding our knowledge, in particular our knowledge of proper treatment and drug therapy. Insofar as this book mentions any dosage or application, readers may rest assured that the authors, editors, and publishers have made every effort to ensure that such references are in accordance with **the state of knowledge at the time of production of the book.**
Nevertheless, this does not involve, imply, or express any guarantee or responsibility on the part of the publishers in respect to any dosage instructions and forms of application stated in the book. **Every user is requested to examine carefully** the manufacturer's leaflets accompanying each drug and to check, if necessary in consultation with a physician or specialist, whether the dosage schedules mentioned therein or the contraindications stated by the manufacturers differ from the statements made in the present book. Such examination is particularly important with drugs that are either rarely used or have been newly released on the market. Every dosage schedule or every form of application used is entirely at the user's own risk and responsibility. The authors and publishers request every user to report to the publishers any discrepancies or inaccuracies noticed.
Some of the product names, patents, and registered designs referred to in this book are in fact registered trademarks or proprietary names, even though specific reference to this fact is not always made in the text. Therefore, the appearance of a name without designation as proprietary is not to be construed as a representation by the publisher that it is in the public domain.

This book, including all parts thereof, is legally protected by copyright. Any use, exploitation, or commercialization outside the narrow limits set by copyright legislation, without the publisher's consent, is illegal and liable to prosecution. This applies in particular to photostat reproduction, copying, mimeographing or duplication of any kind, translating, preparation of microfilms, and electronic data processing and storage.

Dedicated to our parents,
Alfred and Friedel Möller and
Emil and Edith Reif,
in love and gratitude.

Preface to the Third Edition

Medicine is, fortunately, constantly evolving. Imaging diagnosis is no exception. Technical improvements guarantee further developments in diagnosis. Computed tomography (CT) and magnetic resonance imaging (MRI) have attained a recognized value in the diagnosis of the heart, which is continuing to increase. For this reason, we have now provided a separate chapter on diagnostic imaging of the heart. We have placed sectional CT images next to MR images of the heart to facilitate classification. We have limited ourselves to scans which are presently recognized as standard. In the CT images of the coronary vessels of the heart we have diverged from the conventional designations and numbered the vessels as suggested by the American Heart Association in 1975.

Other procedures in MRI and CT visualization of the vascular system have also further improved. For example, stepwise shifts of the table top have become standard procedures in angiography of the pelvis and leg.

Like earlier editions, this edition contains current original images complemented by color illustrations on the opposite page. We have continued to follow our successful method, which combines great clarity with a high level of detail.

For the production of images we are especially grateful to our radiology assistants, Silke Köhl, Sabine Mattil, Stefanie Müller, Heike Philippi, Brigitte Schild, Petra Weber, and Tanja Breunig, and also to Birgit Reuter and Marion Hellinger of the Siemens Manufacturing Center. We owe the good coronary CTs on our 64-line CT to our colleagues Christoph Buntru and Heike Ringling. We express our heartfelt gratitude for intensive discussions and helpful suggestions to our colleagues Sigrid Roth and Simone Zenner.

Torsten B. Moeller, Emil Reif

Contents

Thorax

CT of the Thorax—Axial 2
MRI of the Thorax—Sagittal 30
MRI of the Thorax—Coronal 46
CT of the Heart—CT Angiography 58
MRT of the Heart—Two Chamber View of the Left Ventricle 64
MRT of the Heart—Four Chamber View of the Left Ventricle 66
MRT of the Heart—Short Axis View 68
MRT of the Heart—Left Ventricular Inflow and Outflow Tract 70
MRT of the Heart—Left Ventricular Outflow Tract 72
MRT of the Heart—Two Chamber View of the Right Ventricle 74
MRT of the Heart—Right Ventricular Outflow Tract 76
Aorta—MR Angiography 78
Pulmonary Vessels—MR Angiography 80
MR Mammography—Axial 82

Abdomen

CT of the Abdomen—Axial 84
MRI of the Abdomen—Sagittal 132
MRI of the Abdomen—Coronal 150
Renal Artery—MR Angiography 162
MR Angiography of the Coeliac Trunk—MR Angiography . . 164
MR Angiography of the Splenic and Portal Veins—MR Angiography 166
MR Cholangiopancreatography 168

Pelvis

MRI of the Female Pelvis—Axial **170**
MRI of the Female Pelvis—Sagittal **182**
MRI of the Female Pelvis—Coronal **192**
MRI of the Male Pelvis—Sagittal **208**
MRI of the Male Pelvis—Coronal **216**
MRI of the Prostate—Axial **226**
MRI of the Testes—Sagittal **230**

Lower Extremity

MR Angiography of the Lower Extremity—MR Angiography **232**

Bibliography **234**

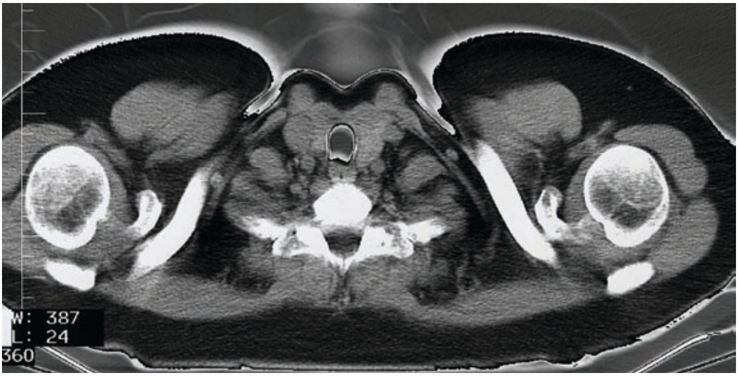
Index **235**

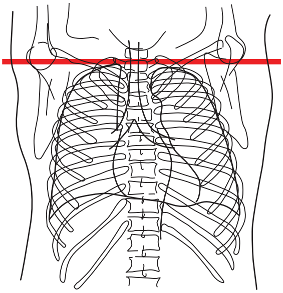
Thorax

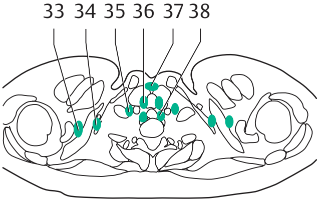
Abdomen

Pelvis

Lower Extremity







Segments of the lungs

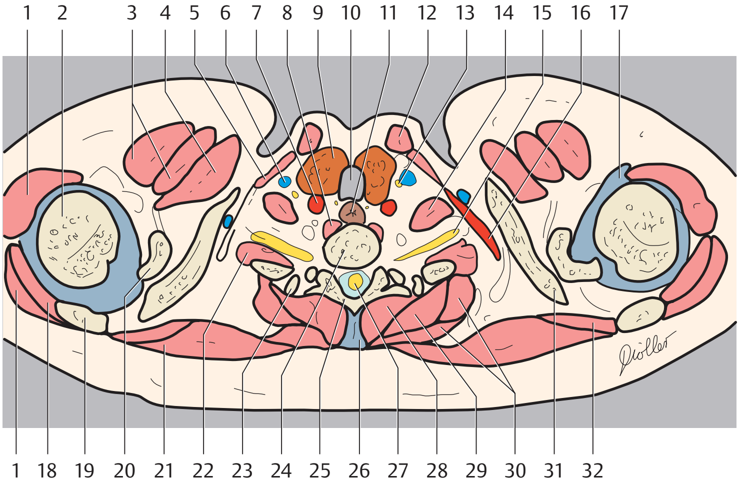
Right Lung

1. Apical segment of upper lobe
2. Posterior segment of upper lobe
3. Anterior segment of upper lobe
4. Lateral segment of middle lobe
5. Medial segment of middle lobe
6. Superior segment of lower lobe
7. Medial basal (cardiac) segment of lower lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe

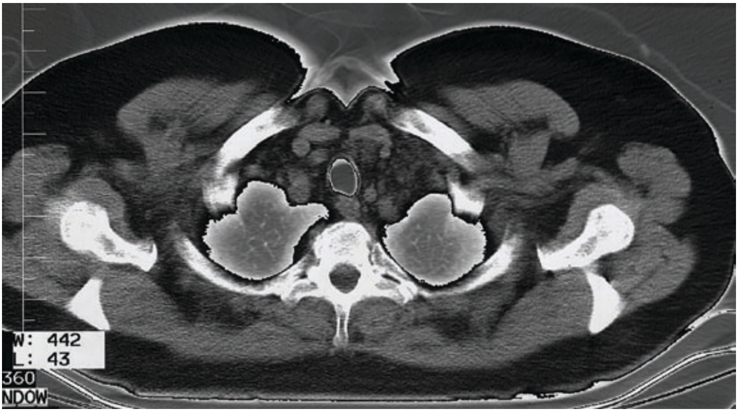
Left Lung

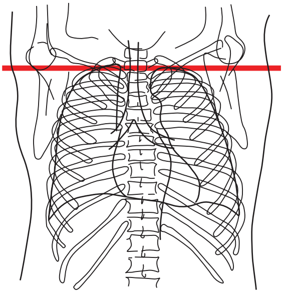
1+2 Apicoposterior segment of upper lobe

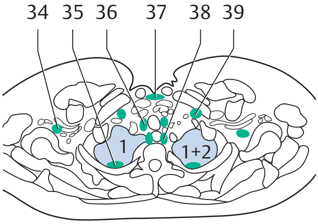
3. Anterior segment of upper lobe
4. Superior lingular segment
5. Inferior lingular segment
6. Superior segment of lower lobe
7. Medial basal (cardiac) segment of lower lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe



1. Deltoid muscle
2. Head of humerus (head of humerus)
3. Pectoralis major muscle
4. Pectoralis minor muscle
5. Sternothyroid muscle
6. Internal jugular vein
7. Internal carotid artery
8. Longus colli muscle
9. Thyroid gland
10. Trachea
11. Esophagus
12. Sternocleidomastoid muscle
13. Vagus nerve (ramus)
14. Anterior scalene muscle
15. Brachial plexus
16. Subclavian artery
17. Joint capsule with capsular ligaments
18. Infraspinatus muscle
19. Spine of scapula
20. Coracoid process
21. Trapezius muscle
22. Medial and posterior scalene muscles
23. Costovertebral joint (Rib 1)
24. Thoracic vertebra 1
25. Vertebral arch (lamina)
26. Supraspinous ligament
27. Spinal cord
28. Erector spinae muscle
29. Serratus anterior muscle
30. Rhomboid muscle
31. Clavicle
32. Supraspinatus muscle
33. Supraclavicular lymph nodes
34. Subclavicular lymph nodes
35. Jugular lymph nodes
36. Paratracheal lymph nodes
37. Anterior cervical lymph nodes
38. Paraesophageal lymph nodes

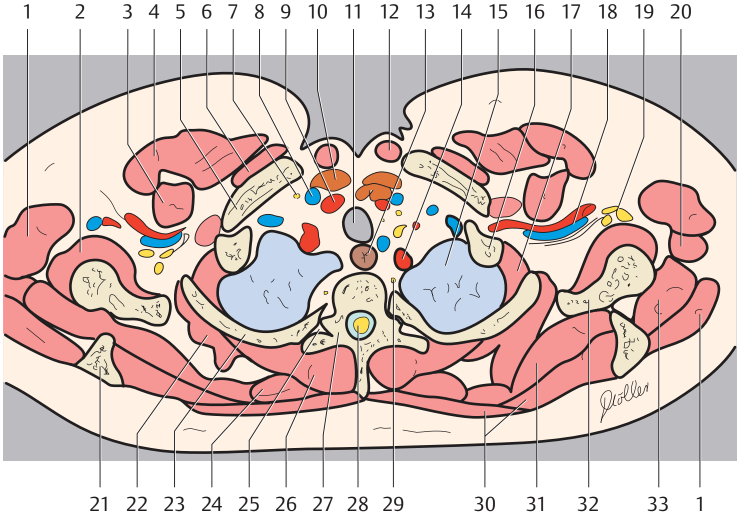

W: 442
L: 43
360
NDOW



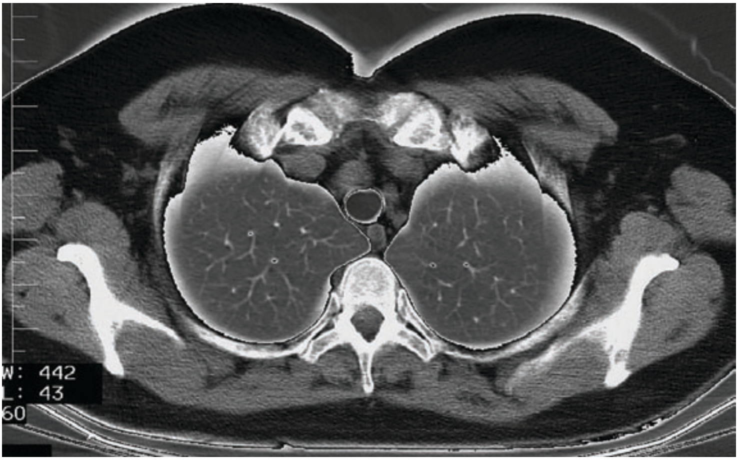

34
35
36
37
38
39
1
1+2

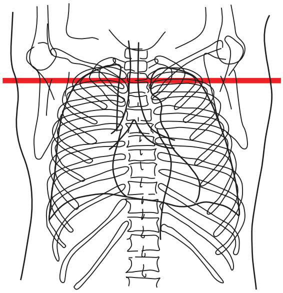
Right Lung
1. Apical segment of upper lobe

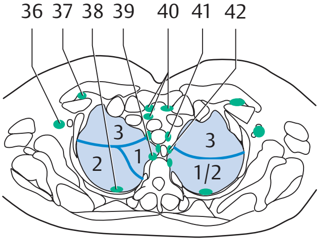
Left Lung
1+2 Apicoposterior segment of upper lobe



1. Deltoid muscle
2. Subscapularis muscle
3. Pectoralis minor muscle
4. Pectoralis major muscle
5. Clavicle
6. Subclavius muscle
7. Vagus nerve (ramus)
8. Internal jugular vein
9. Internal carotid artery
10. Thyroid gland
11. Trachea
12. Sternocleidomastoid muscle
13. Esophagus
14. Subclavian artery
15. Left lung
16. Rib 1
17. Intercostal muscle
18. Subclavian artery and vein
19. Brachial plexus
20. Teres major muscle and latissimus dorsi muscle
21. Spine of scapula
22. Serratus anterior muscle
23. Rib 2
24. Rhomboid muscle
25. Costovertebral joint
26. Erector spinae muscle
27. Thoracic vertebra 2
28. Spinal cord
29. Sympathetic trunk
30. Trapezius muscle
31. Supraspinatus muscle
32. Scapula
33. Infraspinatus muscle
34. Deep axillary lymph nodes
35. Intercostal lymph nodes
36. Paratracheal lymph nodes
37. Anterior cervical lymph nodes
38. Paraesophageal lymph nodes
39. Jugular lymph nodes



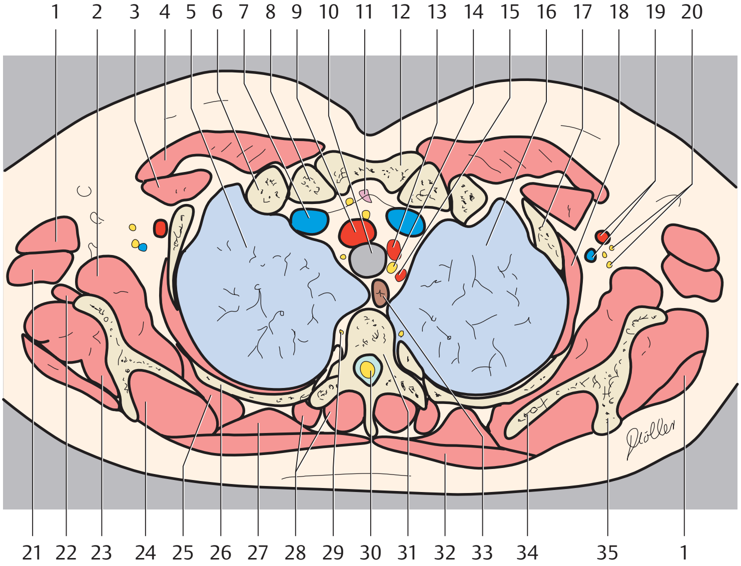



36
37
38
39
40
41
42
3
2
1
3
1/2

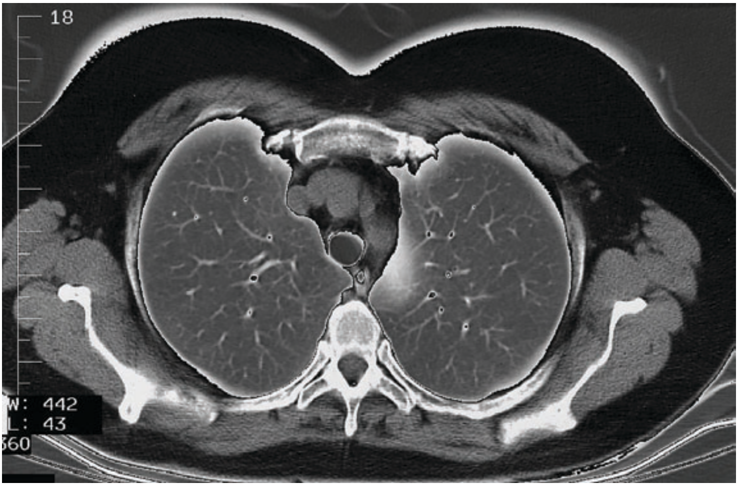
— = Borders of lung segments

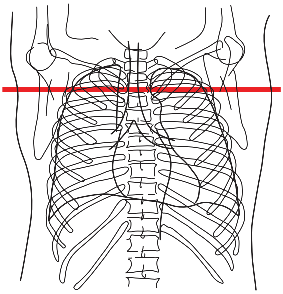
Right Lung
1. Apical segment of upper lobe
2. Posterior segment of upper lobe
3. Anterior segment of upper lobe

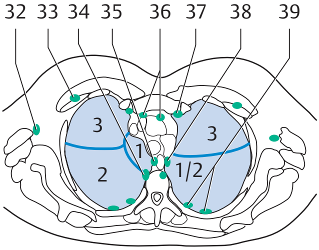
Left Lung
1+2 Apicoposterior segment of upper lobe
3. Anterior segment of upper lobe



1. Deltoid muscle
2. Subscapularis muscle
3. Pectoralis minor muscle
4. Pectoralis major muscle
5. Right lung
6. Rib 1
7. Brachiocephalic vein
8. Clavicle
9. Brachiocephalic artery
10. Trachea
11. Thymus
12. Sternum (manubrium)
13. Left common carotid artery
14. Recurrent laryngeal nerve
15. Left subclavian artery
16. Left lung
17. Rib 2
18. Intercostal muscle
19. Axillary artery and vein
20. Brachial plexus
21. Teres major muscle and latissimus dorsi muscle
22. Triceps brachii muscle (long head)
23. Infraspinatus muscle
24. Supraspinatus muscle
25. Serratus anterior muscle
26. Rib 3
27. Rhomboid muscle
28. Erector spinae muscle
29. Sympathetic trunk
30. Spinal cord
31. Thoracic vertebra
32. Trapezius muscle
33. Esophagus
34. Scapula
35. Spine of scapula
36. Deep axillary lymph nodes
37. Interpectoral lymph nodes
38. Intercostal lymph nodes
39. Prevertebral lymph nodes
40. Anterior mediastinal lymph nodes
41. Paratracheal lymph nodes
42. Paraesophageal lymph nodes


18
W: 442
L: 43
60

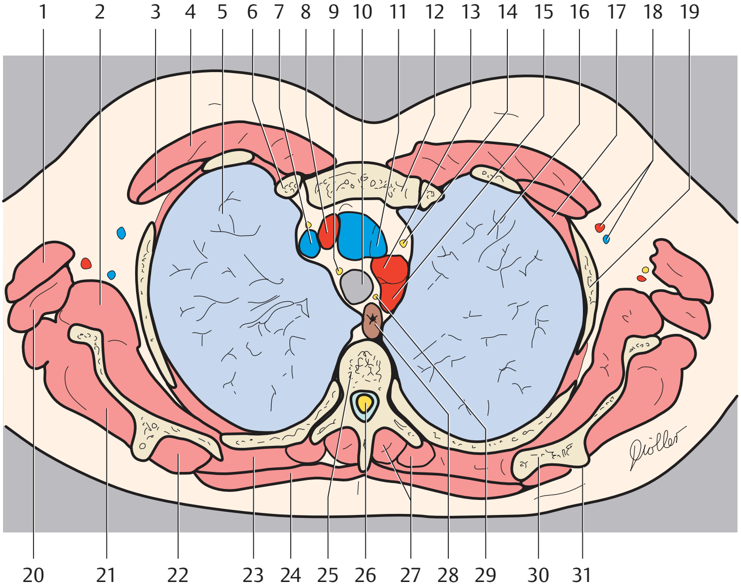



32
33
34
35
36
37
38
39
3
2
1
3
1/2

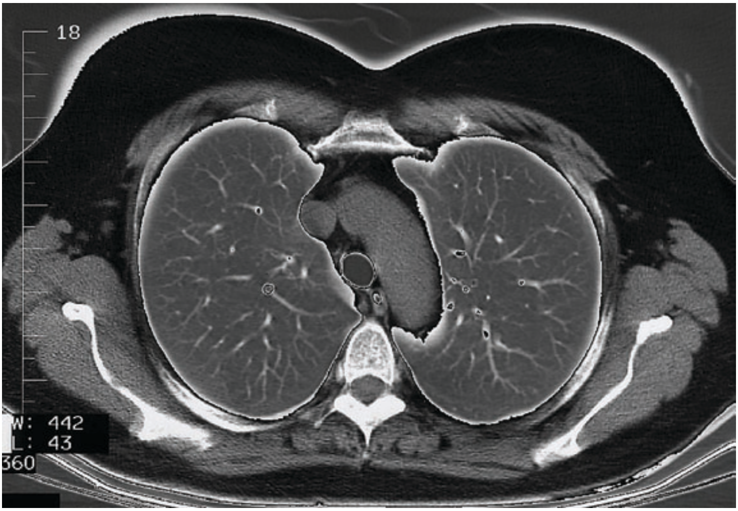
— = Borders of lung segments

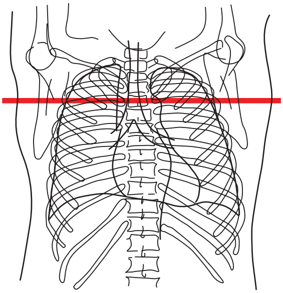
Right Lung
1. Apical segment of upper lobe
2. Posterior segment of upper lobe
3. Anterior segment of upper lobe

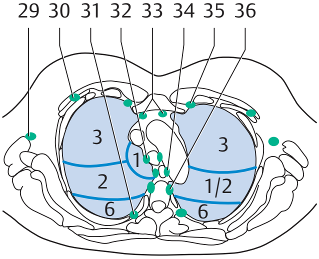
Left Lung
1+2 Apicoposterior segment of upper lobe
3. Anterior segment of upper lobe



1. Deltoid muscle
2. Subscapularis muscle
3. Pectoralis minor muscle
4. Pectoralis major muscle
5. Right lung
6. Rib
7. Right brachiocephalic vein
8. Brachiocephalic artery
9. Vagus nerve
10. Trachea
11. Left brachiocephalic vein
12. Sternum (manubrium)
13. Left common carotid artery
14. Phrenic nerve
15. Left subclavian artery
16. Left lung
17. Intercostal muscle
18. Axillary artery and vein
19. Rib
20. Teres major muscle and latissimus dorsi muscle
21. Infraspinatus muscle
22. Supraspinatus muscle
23. Rhomboid major muscle
24. Trapezius muscle
25. Thoracic vertebra
26. Spinal cord (thoracic part)
27. Erector spinae muscle
28. Esophagus
29. Recurrent laryngeal nerve
30. Scapula
31. Spine of scapula
32. Superficial axillary lymph nodes
33. Interpectoral lymph nodes
34. Prevertebral lymph nodes
35. Paratracheal lymph nodes
36. Anterior mediastinal lymph nodes
37. Parasternal lymph nodes
38. Paraesophageal lymph nodes
39. Intercostal lymph nodes


18
W: 442
L: 43
360

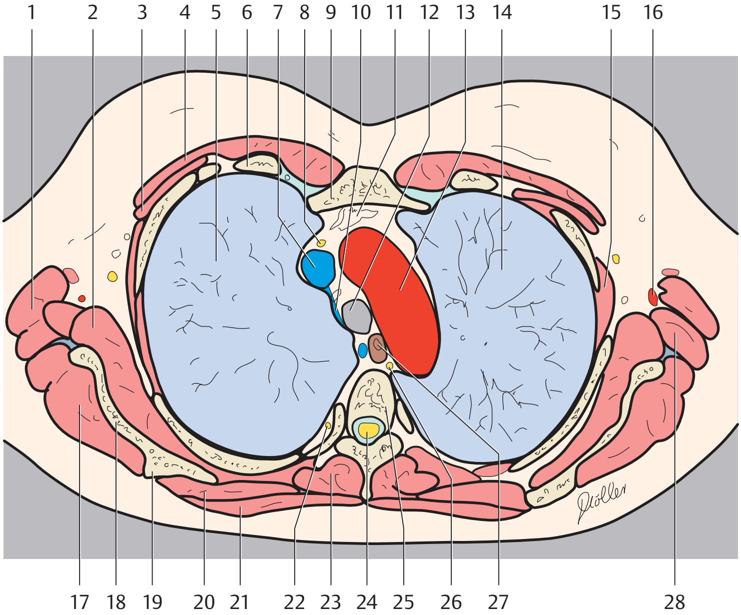



29
30
31
32
33
34
35
36
3
1
2
6
3
1/2
6

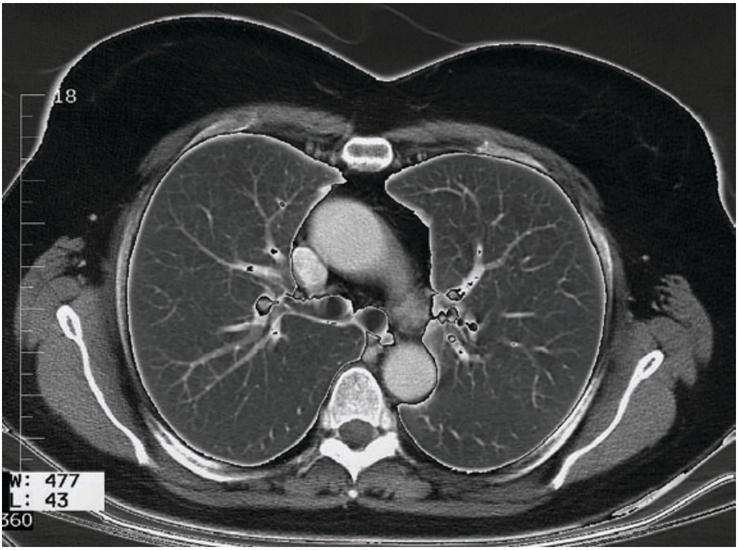
— = Borders of lung segments

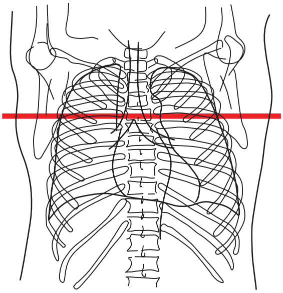
Right Lung
1. Apical segment of upper lobe
2. Posterior segment of upper lobe
3. Anterior segment of upper lobe
6. Superior segment of lower lobe

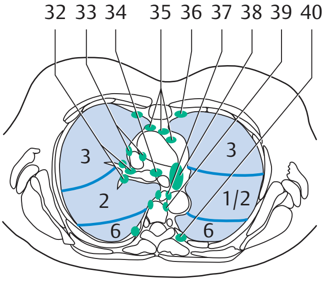
Left Lung
1+2 Apicoposterior segment of upper lobe
3. Anterior segment of upper lobe
6. Superior segment of lower lobe



1. Latissimus dorsi muscle
2. Subscapularis muscle
3. Pectoralis minor muscle
4. Pectoralis major muscle
5. Right lung
6. Rib
7. Right brachiocephalic vein
8. Phrenic nerve
9. Sternum (manubrium)
10. Azygos vein
11. Thymus
12. Trachea
13. Aortic arch
14. Left lung
15. Intercostal muscle
16. Thoracodorsal artery
17. Infraspinatus muscle
18. Scapula
19. Spine of scapula
20. Rhomboid major muscle
21. Trapezius muscle
22. Sympathetic trunk
23. Erector spinae muscle
24. Spinal cord
25. Thoracic vertebra
26. Thoracic duct
27. Esophagus
28. Teres major muscle
29. Superficial axillary lymph nodes
30. Interpectoral lymph nodes
31. Intercostal lymph nodes
32. Paratracheal lymph nodes
33. Anterior mediastinal lymph nodes
34. Paraesophageal lymph nodes
35. Parasternal lymph nodes
36. Paravertebral lymph nodes


18
W: 477
L: 43
360

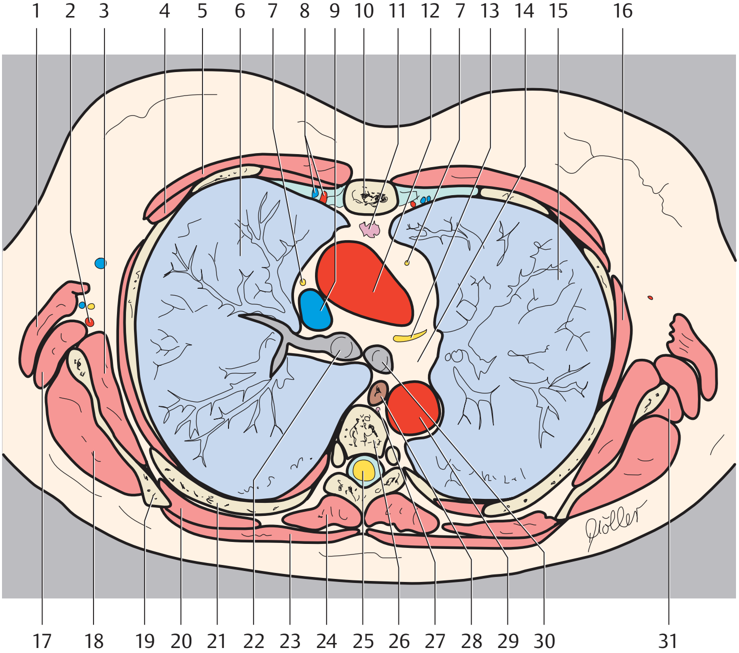



32
33
34
35
36
37
38
39
40
3
2
6
3
1/2
6

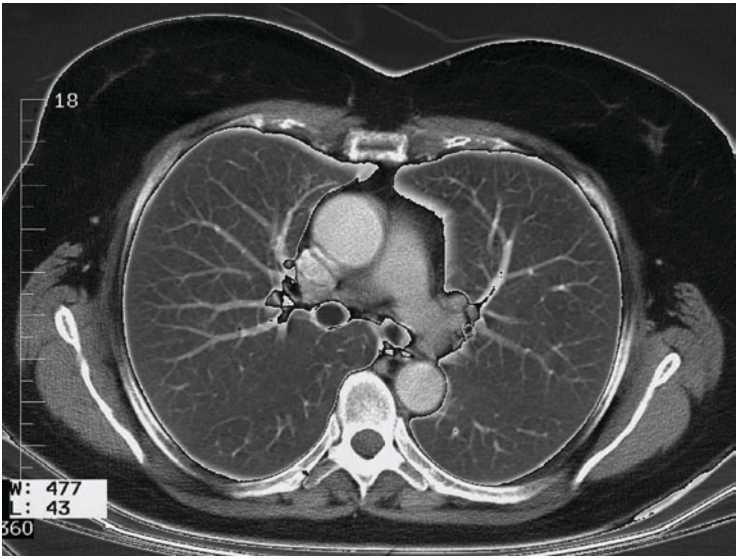
— = Borders of lung segments

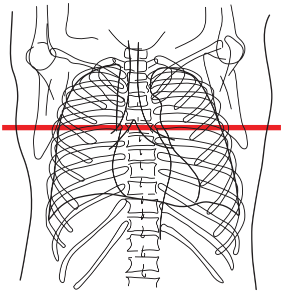
Right Lung
2. Posterior segment of upper lobe
3. Anterior segment of upper lobe
6. Superior segment of lower lobe

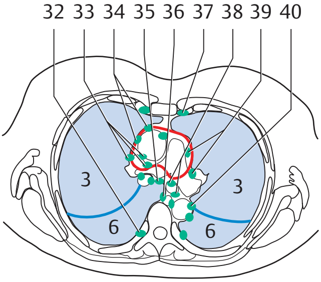
Left Lung
1+2 Apicoposterior segment of upper lobe
3. Anterior segment of upper lobe
6. Superior segment of lower lobe



1. Latissimus dorsi muscle
2. Thoracodorsal artery
3. Subscapularis muscle
4. Pectoralis minor muscle
5. Pectoralis major muscle
6. Right lung
7. Phrenic nerve
8. Internal thoracic artery and vein
9. Superior vena cava
10. Sternum (body)
11. Thymus
12. Ascending aorta
13. Recurrent laryngeal nerve
14. Aorticopulmonary window
15. Left lung
16. Intercostal muscle
17. Teres major muscle
18. Infraspinatus muscle
19. Scapula
20. Rhomboid major muscle
21. Rib
22. Right main stem bronchus
23. Trapezius muscle
24. Erector spinae muscle
25. Spinal cord
26. Thoracic vertebra
27. Thoracic duct
28. Esophagus
29. Descending aorta
30. Left main stem bronchus
31. Teres minor muscle
32. Tracheobronchial lymph nodes
33. Middle mediastinal lymph nodes
34. Paratracheal lymph nodes
35. Anterior mediastinal lymph nodes
36. Parasternal lymph nodes
37. Paraesophageal lymph nodes
38. Lymph nodes of the aorticopulmonary window
39. Prevertebral lymph nodes
40. Intercostal lymph nodes


18
W: 477
L: 43
60

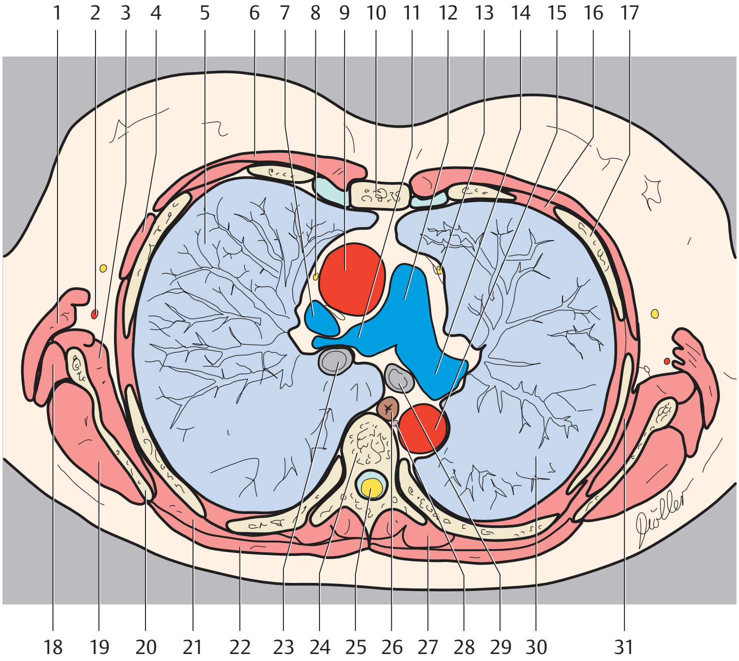



32
33
34
35
36
37
38
39
40
3
6
3
6

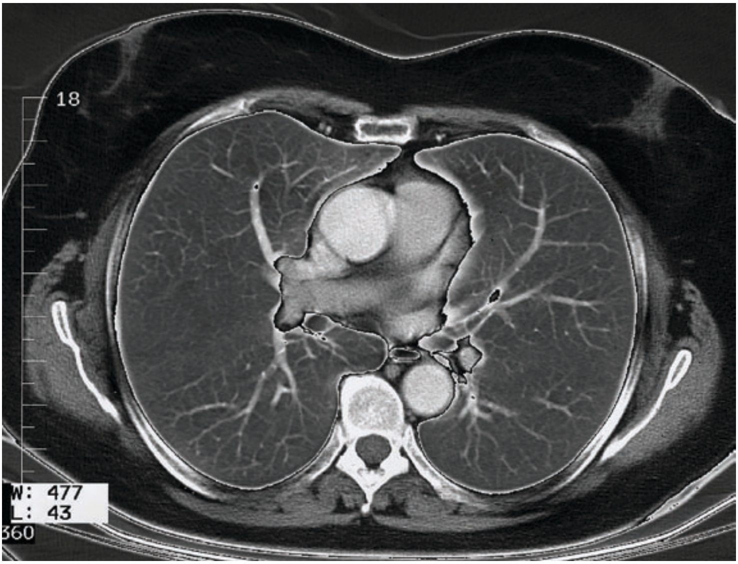
— = Borders of lung segments
— = Pericardium

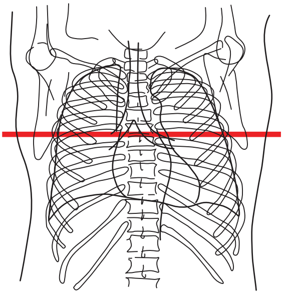
Right Lung
3. Anterior segment of upper lobe
6. Superior segment of lower lobe

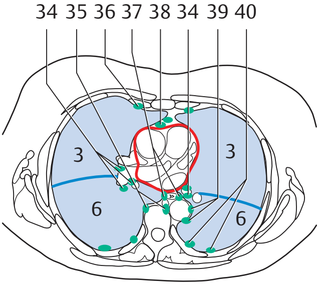
Left Lung
3. Anterior segment of upper lobe
6. Superior segment of lower lobe



1. Latissimus dorsi muscle
2. Thoracodorsal artery
3. Subscapularis muscle
4. Pectoralis minor muscle
5. Right lung
6. Pectoralis major muscle
7. Superior vena cava
8. Phrenic nerve
9. Ascending aorta
10. Sternum
11. Right pulmonary artery
12. Pulmonary trunk
13. Recurrent laryngeal nerve
14. Left pulmonary artery
15. Descending aorta
16. Intercostal muscle
17. Rib
18. Teres major muscle
19. Infraspinatus muscle
20. Scapula
21. Rhomboid major muscle
22. Trapezius muscle
23. Right main stem bronchus
24. Thoracic vertebra
25. Spinal cord
26. Esophagus
27. Erector spinae muscle
28. Thoracic duct
29. Left main stem bronchus
30. Left lung
31. Serratus anterior muscle
32. Intercostal lymph nodes
33. Middle mediastinal lymph nodes
34. Anterior mediastinal lymph nodes
35. Paratracheal lymph nodes
36. Paraesophageal lymph nodes
37. Parasternal lymph nodes
38. Bronchopulmonary lymph nodes
39. Lymph nodes of the aorticopulmonary window
40. Para-aortal lymph nodes


18
W: 477
L: 43
360

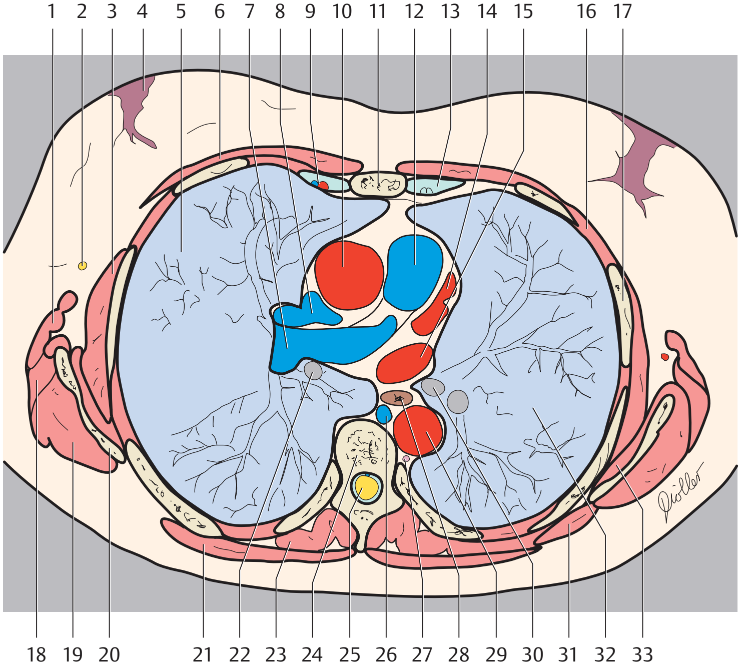



34
35
36
37
38
34
39
40
3
3
6
6

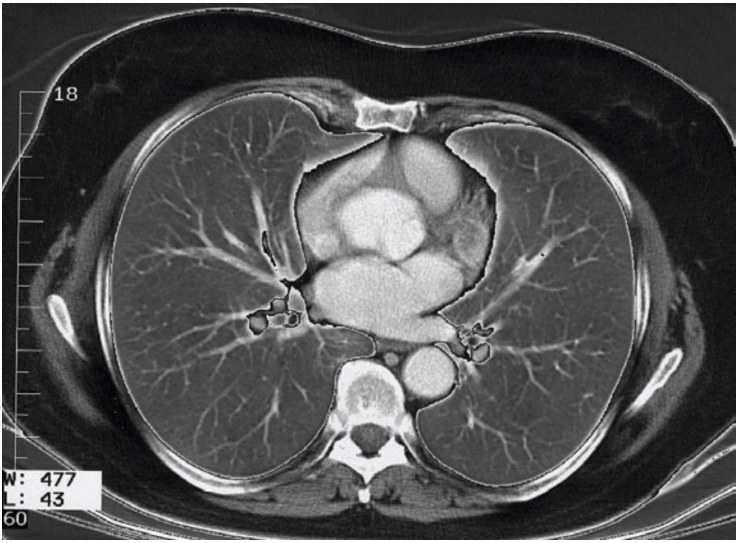
— = Borders of lung segments
— = Pericardium

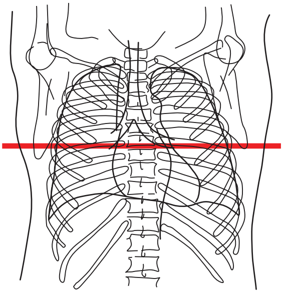
Right Lung
3. Anterior segment of upper lobe
6. Superior segment of lower lobe

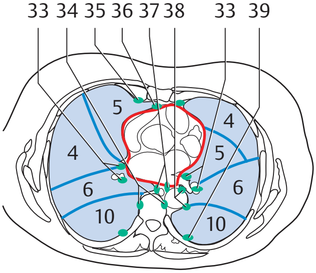
Left Lung
3. Anterior segment of upper lobe
6. Superior segment of lower lobe



1. Latissimus dorsi muscle
2. Long thoracic nerve
3. Serratus anterior muscle
4. Glandular tissue of the breast and nipple
5. Right lung
6. Pectoralis major muscle
7. Right pulmonary artery
8. Superior vena cava
9. Internal thoracic artery and vein
10. Ascending aorta
11. Sternum
12. Pulmonary trunk
13. Rib (costal cartilage)
14. Left pulmonary vein
15. Left atrium
16. Intercostal muscle
17. Rib
18. Teres major muscle
19. Infraspinatus muscle
20. Scapula
21. Trapezius muscle
22. Right inferior lobar bronchus
23. Erector spinae muscle
24. Thoracic vertebra
25. Spinal cord
26. Azygos vein
27. Thoracic duct
28. Esophagus
29. Descending aorta
30. Left inferior lobar bronchus
31. Rhomboid muscle major
32. Left lung
33. Subscapularis muscle
34. Bronchopulmonary lymph nodes
35. Prevertebral lymph nodes
36. Parasternal lymph nodes
37. Juxtaesophageal lymph nodes
38. Anterior mediastinal lymph nodes
39. Para-aortal lymph nodes
40. Intercostal lymph nodes


18
W: 477
L: 43
60

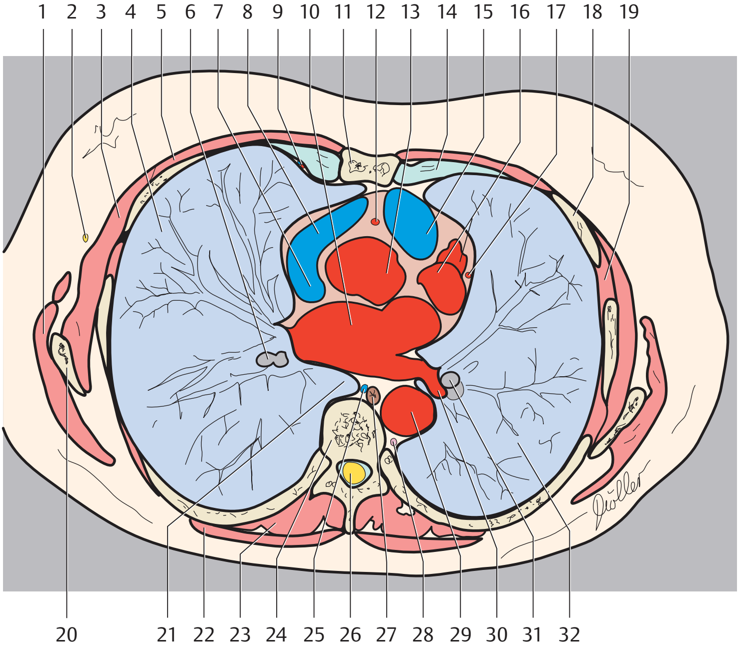



33
34
35
36
37
38
33
39
5
4
6
10
4
5
6
10

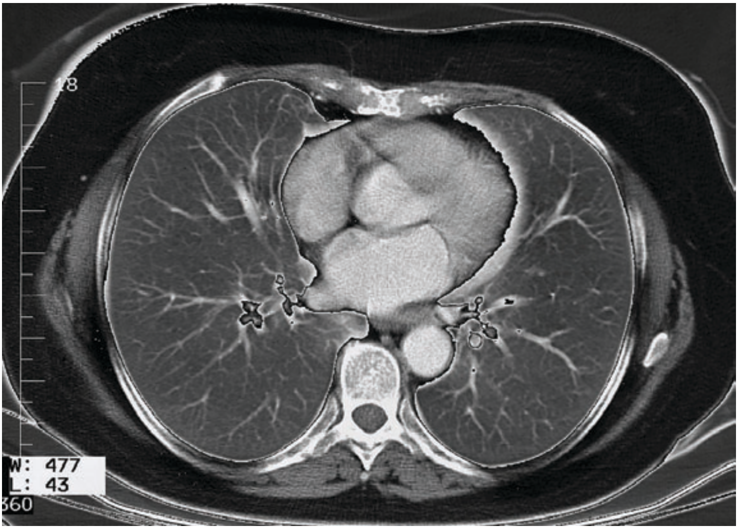
— = Borders of lung segments
— = Pericardium

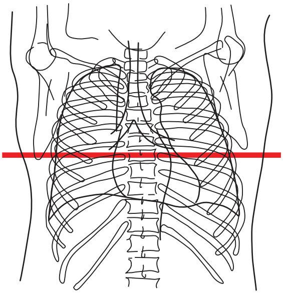
Right Lung
4. Lateral segment of middle lobe
5. Medial segment of middle lobe
6. Superior segment of lower lobe
10. Posterior basal segment of lower lobe

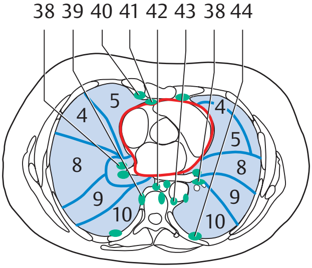
Left Lung
4. Superior lingular segment
5. Inferior lingular segment
6. Superior segment of lower lobe
10. Posterior basal segment of lower lobe



1. Latissimus dorsi muscle
2. Long thoracic nerve
3. Serratus anterior muscle
4. Right lung
5. Pectoralis major muscle
6. Right inferior lobar bronchus
7. Superior vena cava
8. Right auricle
9. Internal thoracic artery and vein
10. Left atrium
11. Sternum
12. Right coronary artery
13. Ascending aorta
14. Rib (costal cartilage)
15. Conus arteriosus
16. Left ventricle
17. Left coronary artery
18. Rib
19. Intercostal muscle
20. Scapula
21. Right lung in retroesophageal recess
22. Trapezius muscle
23. Erector spinae muscle
24. Thoracic vertebra
25. Azygos vein
26. Spinal cord
27. Esophagus
28. Thoracic duct
29. Descending aorta
30. Left pulmonary vein
31. Left inferior lobar bronchus
32. Left lung
33. Bronchopulmonary lymph nodes
34. Prevertebral lymph nodes
35. Parasternal lymph nodes
36. Prepericardial lymph nodes
37. Juxtaesophageal lymph nodes
38. Para-aortal lymph nodes
39. Intercostal lymph nodes


18
W: 477
L: 43
360

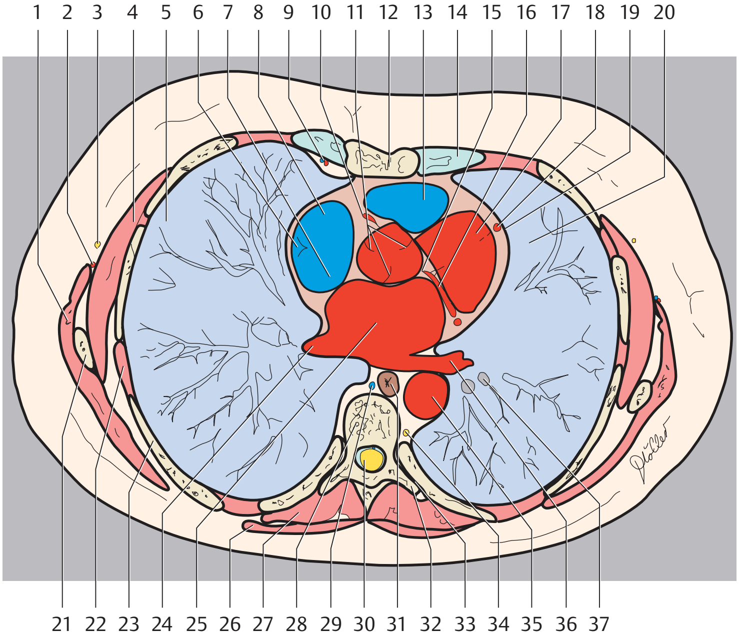



38 39 40 41 42 43 38 44
5
4
8
9
10
4
5
8
9
10

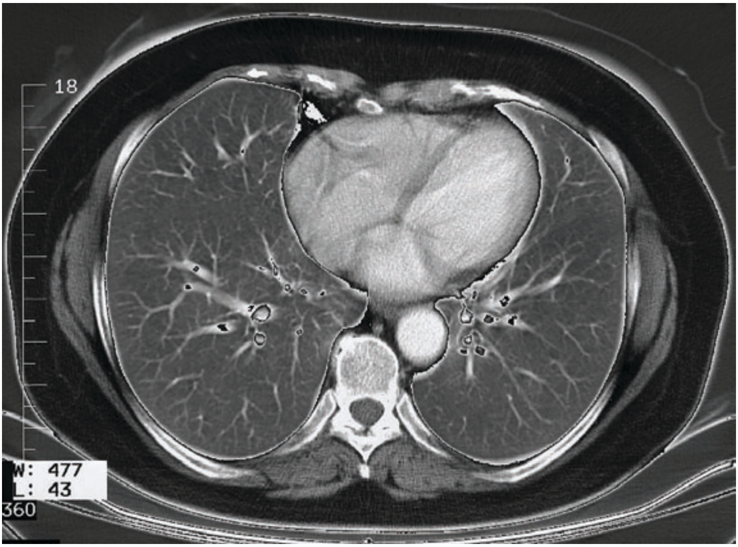
— = Borders of lung segments
— = Pericardium

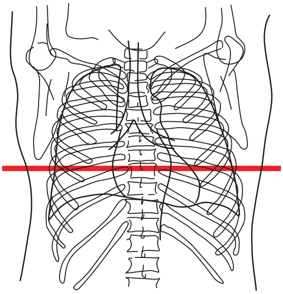
Right Lung
4. Lateral segment of middle lobe
5. Medial segment of middle lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe

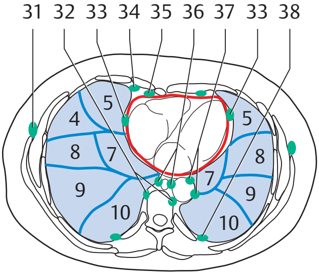
Left Lung
4. Superior lingular segment
5. Inferior lingular segment
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe



1. Latissimus dorsi muscle
2. Thoracodorsal artery
3. Long thoracic nerve
4. Serratus anterior muscle
5. Right lung
6. Crista terminalis
7. Superior vena cava
8. Right atrium
9. Internal thoracic artery and vein
10. Right coronary artery
11. Aortic valve
12. Sternum
13. Conus arteriosus
14. Rib (costal cartilage)
15. Left coronary artery
16. Coronary sulcus
17. Left ventricle
18. Left coronary artery
19. Phrenic nerve and pericardium
20. Left lung
21. Scapula
22. Intercostal muscle
23. Rib
24. Left pulmonary vein
25. Left atrium
26. Trapezius muscle
27. Erector spinae muscle
28. Thoracic vertebra
29. Azygos vein
30. Spinal cord
31. Esophagus
32. Transverse process
33. Costovertebral joint
34. Thoracic duct
35. Descending aorta
36. Left pulmonary vein
37. Left inferior lobar bronchus
38. Bronchopulmonary lymph nodes
39. Prevertebral lymph nodes
40. Parasternal lymph nodes
41. Prepericardial lymph nodes
42. Juxtaesophageal lymph nodes
43. Para-aortal lymph nodes
44. Intercostal lymph nodes







— = Borders of lung segments

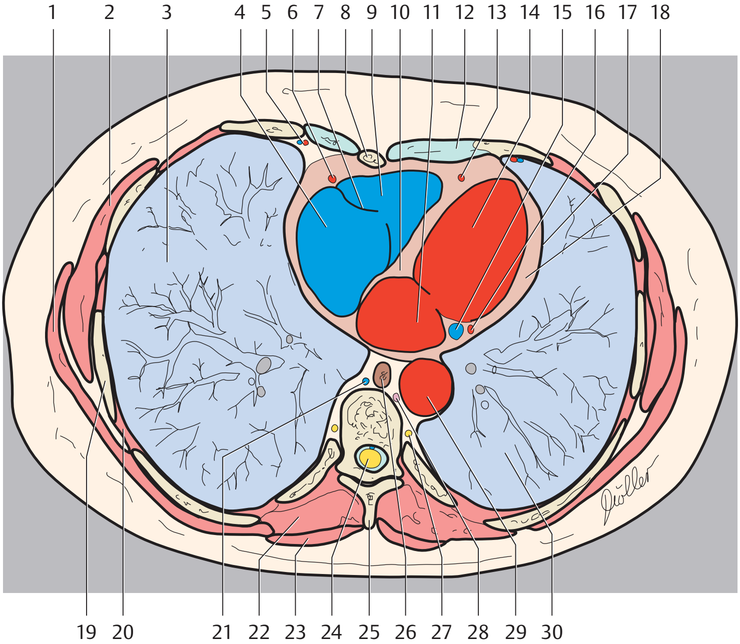
— = Pericardium

Right Lung

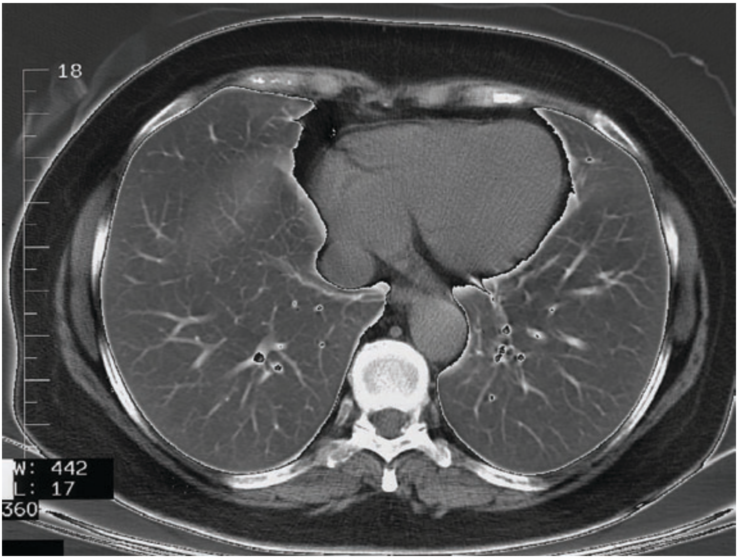
4. Lateral segment of middle lobe
5. Medial segment of middle lobe
7. Medial basal (cardiac) segment of lower lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe

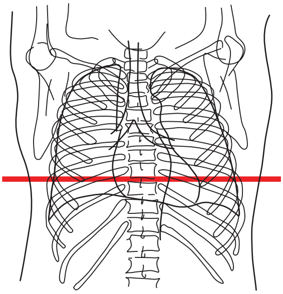
Left Lung

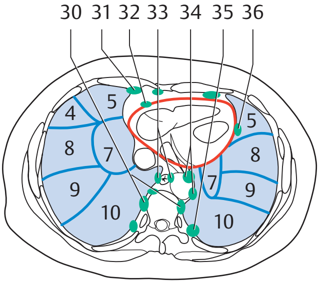
5. Inferior lingular segment
7. Medial basal (cardiac) segment of lower lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe



1. Latissimus dorsi muscle
2. Serratus anterior muscle
3. Right lung
4. Right atrium
5. Internal thoracic artery and vein
6. Right coronary artery
7. Right atrioventricular (tricuspid) valve
8. Sternum (body)
9. Right ventricle
10. Interventricular septum
11. Left atrium
12. Rib (costal cartilage)
13. Left coronary artery (anterior interventricular branch)
14. Left ventricle
15. Coronary sinus
16. Left coronary artery (circumflex branch)
17. Phrenic nerve and pericardium
18. Myocardium
19. Rib
20. Intercostal muscle
21. Azygos vein
22. Erector spinae muscle
23. Trapezius muscle
24. Spinal cord
25. Spinous process
26. Esophagus
27. Sympathetic trunk
28. Thoracic duct
29. Descending aorta
30. Left lung
31. Paramammary lymph nodes
32. Prevertebral lymph nodes
33. Lateral pericardial lymph nodes
34. Parasternal lymph nodes
35. Prepericardial lymph nodes
36. Juxtaesophageal lymph nodes
37. Para-aortal lymph nodes
38. Intercostal lymph nodes



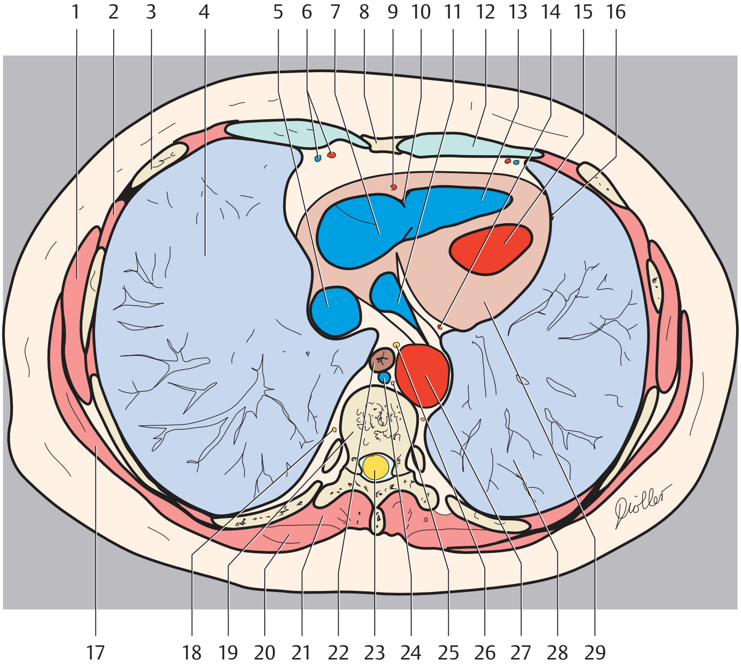




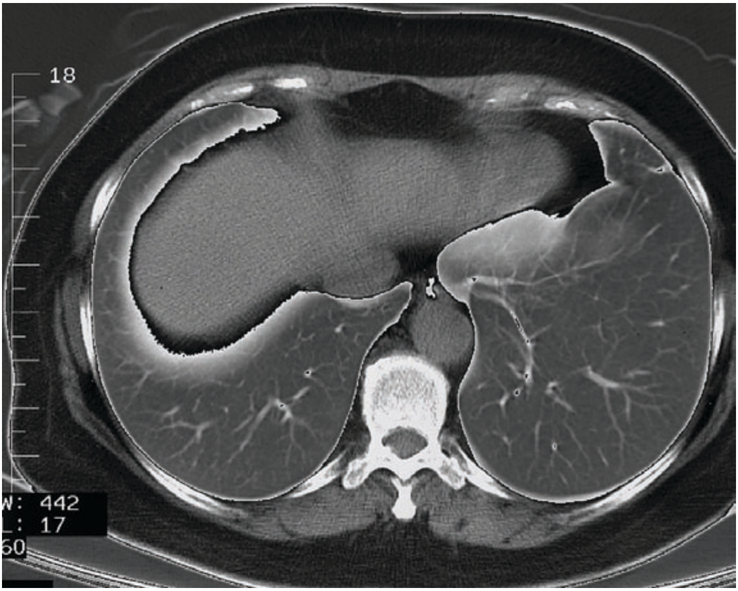
— = Borders of lung segments
— = Pericardium

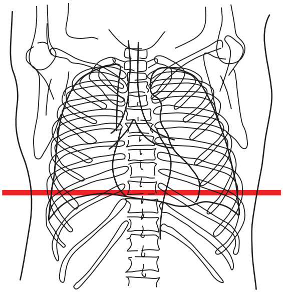
Right Lung
4. Lateral segment of middle lobe
5. Medial segment of middle lobe
7. Medial basal (cardiac) segment of lower lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10 Posterior basal segment of lower lobe

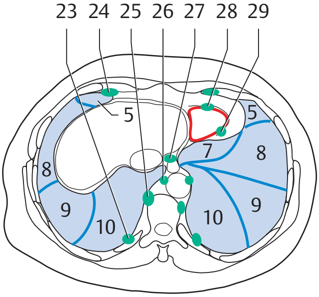
Left Lung
5. Inferior lingular segment
7. Medial basal (cardiac) segment of lower lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe



1. Latissimus dorsi muscle
2. Intercostal muscle
3. Rib
4. Right lung
5. Inferior vena cava
6. Internal thoracic artery and vein
7. Right atrium
8. Xiphoid process
9. Right coronary artery
10. Right atrioventricular (tricuspid) valve
11. Coronary sinus
12. Rib (costal cartilage)
13. Right ventricle
14. Circumflex branch of left coronary artery
15. Left ventricle
16. Phrenic nerve and pericardium
17. Serratus anterior muscle
18. Sympathetic trunk
19. Thoracic vertebra
20. Trapezius muscle
21. Erector spinae muscle
22. Esophagus
23. Spinal cord
24. Azygos vein
25. Thoracic duct
26. Vagus nerve
27. Descending aorta
28. Left lung
29. Myocardium of the left ventricle
30. Prevertebral lymph nodes
31. Parasternal lymph nodes
32. Prepericardial lymph nodes
33. Juxtaesophageal lymph nodes
34. Para-aortal lymph nodes
35. Intercostal lymph nodes
36. Lateral pericardial lymph nodes



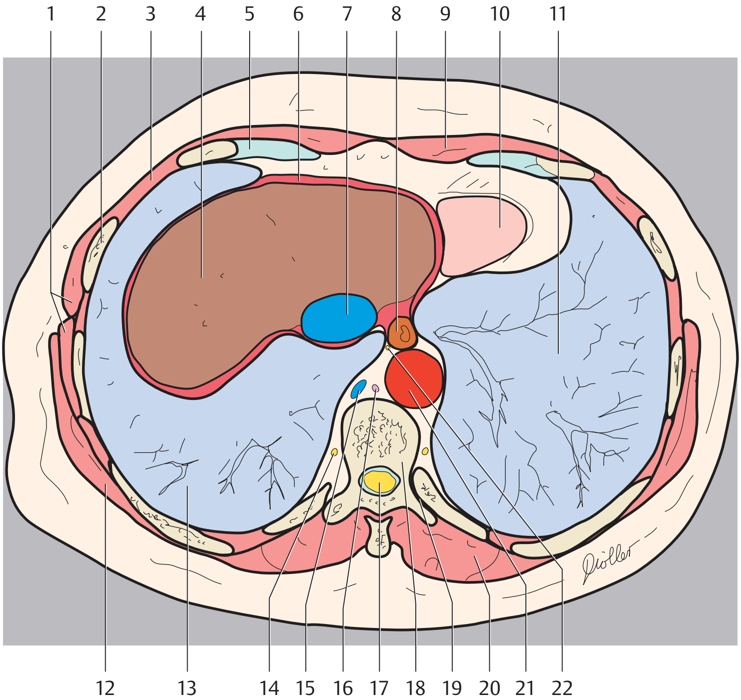




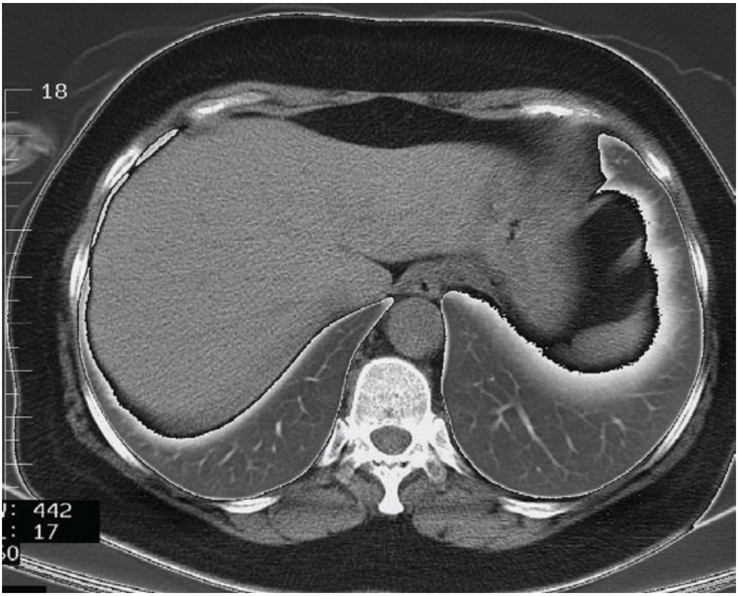
— = Borders of lung segments
— = Pericardium

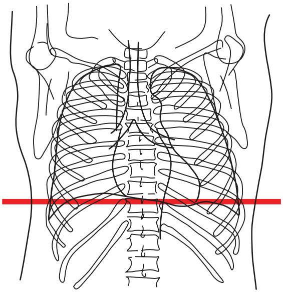
Right Lung
5. Medial segment of middle lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe

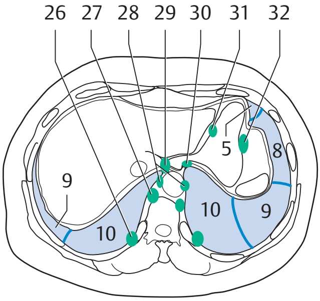
Left Lung
5. Inferior lingular segment
7. Medial basal (cardiac) segment of lower lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe



1. Serratus anterior muscle
2. Rib
3. Intercostal muscle
4. Liver
5. Rib (costal cartilage)
6. Diaphragm
7. Inferior vena cava
8. Esophagus
9. Rectus abdominis muscle
10. Base of heart
11. Left lung
12. Latissimus dorsi muscle
13. Right lung
14. Sympathetic trunk
15. Azygos vein
16. Thoracic duct
17. Spinal cord
18. Thoracic vertebra
19. Costovertebral joint
20. Erector spinae muscle
21. Descending aorta
22. Vagus nerve
23. Intercostal lymph nodes
24. Parasternal lymph nodes
25. Prevertebral lymph nodes
26. Para-aortal lymph nodes
27. Superior phrenic lymph nodes
28. Prepericardial lymph nodes
29. Lateral pericardial lymph nodes



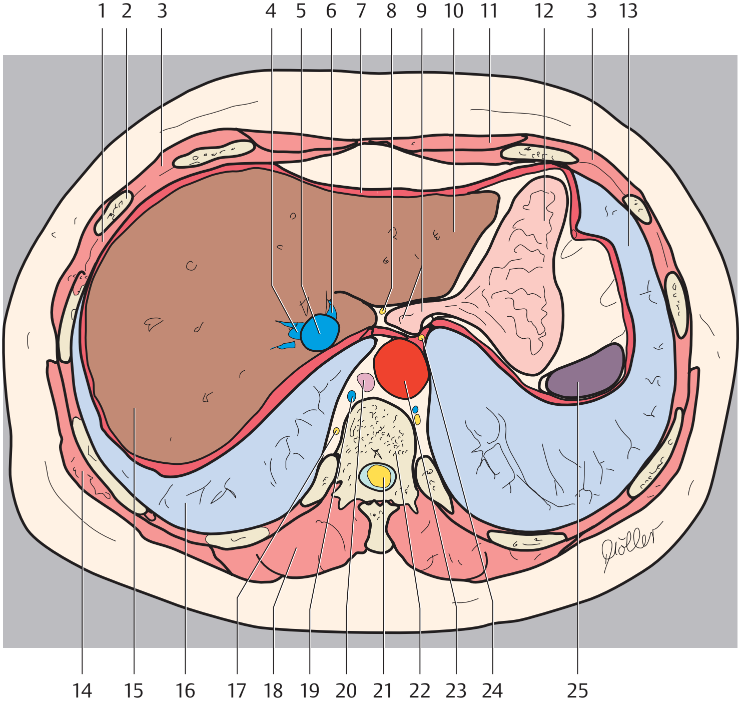



26
27
28
29
30
31
32
5
8
9
10
10
9

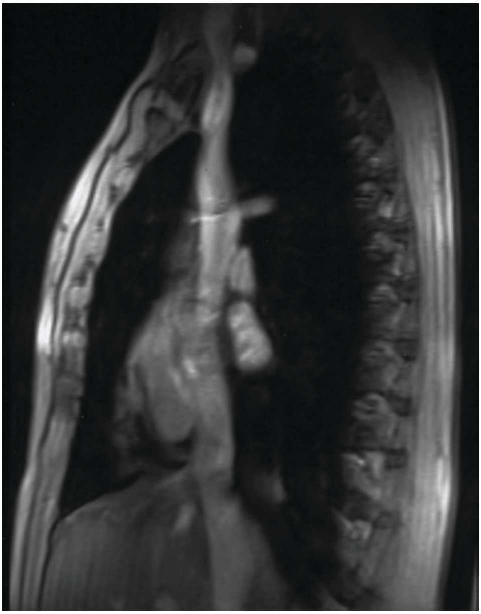
— = Borders of lung segments

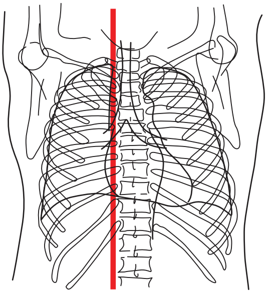
Right Lung
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe

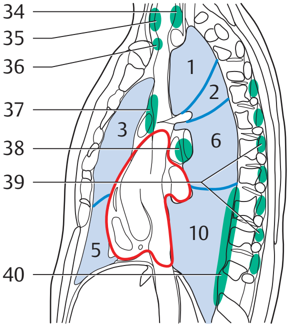
Left Lung
5. Inferior lingular segment
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe



1. Intercostal muscle
2. Rib
3. External oblique muscle
4. Right hepatic vein
5. Inferior vena cava
6. Left hepatic vein
7. Diaphragm
8. Vagus nerve
9. Esophagus
10. Liver (left lobe)
11. Rectus abdominis muscle
12. Stomach
13. Left lung
14. Latissimus dorsi muscle
15. Liver (right lobe)
16. Right lung
17. Sympathetic trunk
18. Erector spinae muscle
19. Azygos vein
20. Thoracic duct
21. Spinal cord
22. Thoracic vertebra
23. Descending aorta
24. Posterior vagal trunk
25. Spleen
26. Intercostal lymph nodes
27. Prevertebral lymph nodes
28. Para-aortal lymph nodes
29. Superior phrenic lymph nodes
30. Inferior phrenic lymph nodes
31. Right gastric lymph nodes
32. Left gastroomental lymph nodes

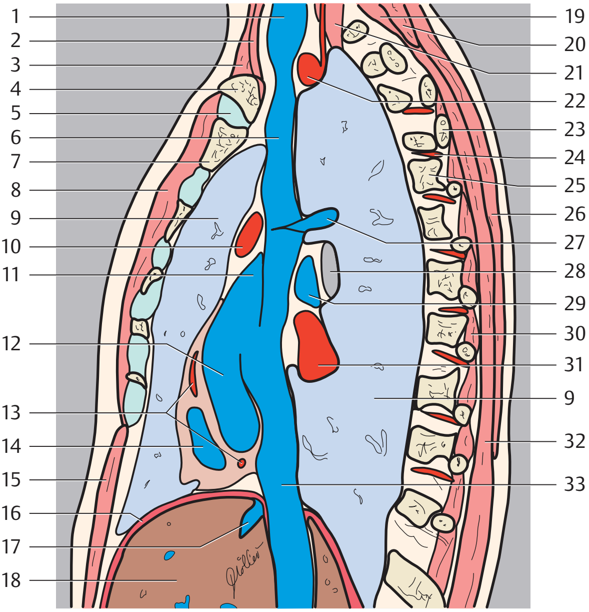




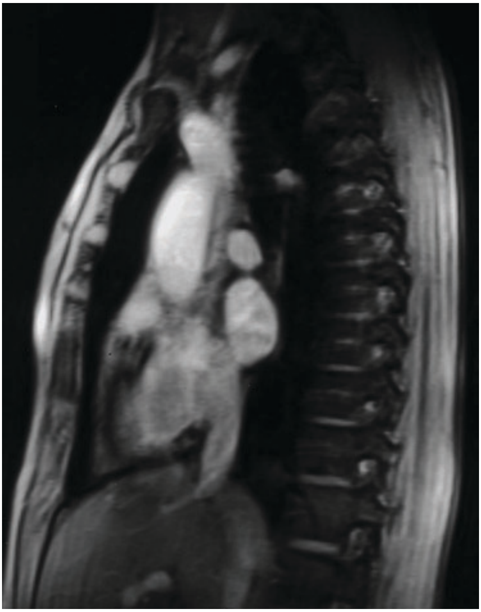


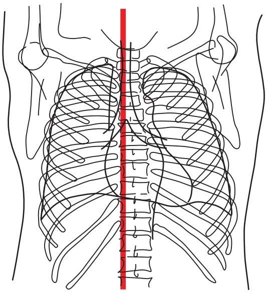
— = Border of lung segments
— = Pericardium

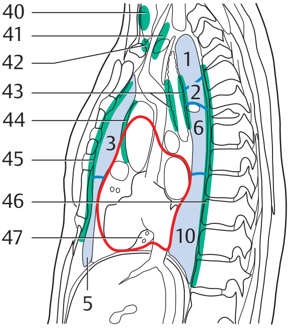
Right Lung
1. Apical segment of upper lobe
2. Posterior segment of upper lobe
3. Anterior segment of upper lobe
5. Medial segment of middle lobe
6. Superior segment of lower lobe
10. Posterior basal segment of lower lobe



1. Internal jugular vein
2. Sternothyroid muscle
3. Sternocleidomastoid muscle
4. Clavicle
5. Sternoclavicular joint
6. Superior vena cava
7. Sternum
8. Pectoralis major muscle
9. Right lung
10. Ascending aorta
11. Right auricle
12. Right atrium
13. Right coronary artery
14. Right ventricle
15. Rectus abdominis muscle
16. Diaphragm
17. Hepatic veins
18. Liver
19. Semispinalis capitis muscle
20. Splenius cervicis and capitis muscle
21. Longus colli muscle
22. Subclavian artery
23. Rib
24. Posterior intercostal artery
25. Vertebra
26. Trapezius muscle
27. Azygos vein
28. Right main stem bronchus
29. Right pulmonary artery
30. Intercostal muscle
31. Pulmonary vein
32. Erector spinae muscle
33. Inferior vena cava
34. Deep cervical lymph nodes
35. Superficial cervical lymph nodes
36. Supraclavicular lymph nodes
37. Anterior mediastinal lymph nodes
38. Bronchopulmonary lymph nodes
39. Posterior intercostal lymph nodes
40. Prevertebral lymph nodes

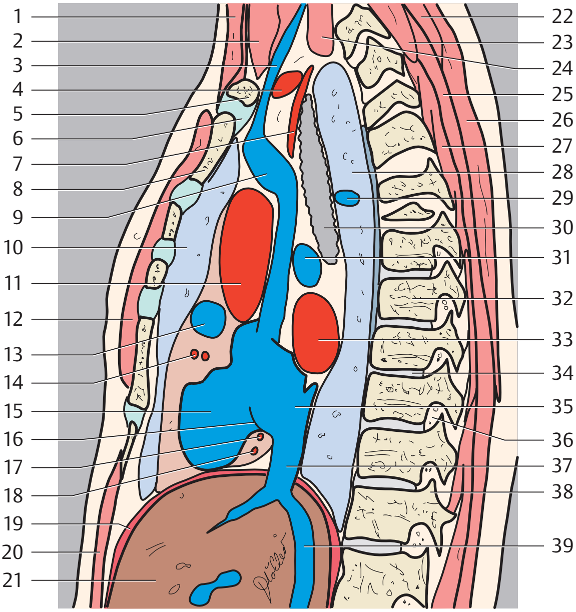




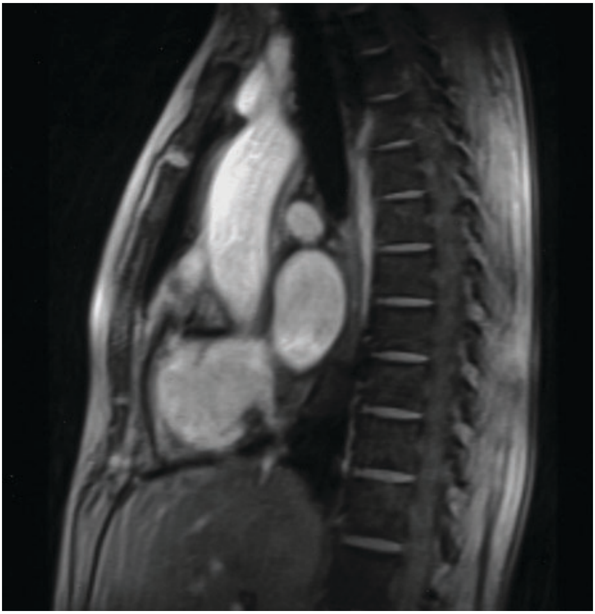


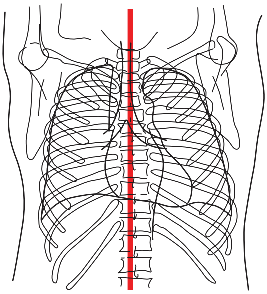
— = Borders of lung segments
— = Pericardium
(Segments of the lungs, see page 2)

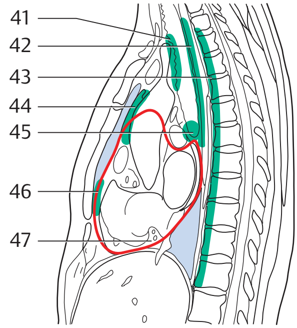
1. Sternocleidomastoid muscle
2. Sternohyoid, sternothyroid and omohyoid muscle
3. Internal jugular vein
4. Subclavian artery
5. Clavicle
6. Sternoclavicular joint
7. Brachiocephalic trunk
8. Sternum
9. Superior vena cava
10. Right lung
11. Ascending aorta



12. Pectoralis major muscle
13. Right auricle
14. Right coronary artery
15. Right ventricle
16. Right atrioventricular (tricuspid) valve
17. Right coronary artery (posterior interventricular branch)
18. Right coronary artery (terminal branch)
19. Diaphragm
20. Rectus abdominis muscle
21. Liver
22. Splenius cervicis and capitis muscle
23. Semispinalis capitis muscle
24. Longus colli muscle
25. Erector spinae muscle
26. Trapezius muscle
27. Semispinalis thoracis muscle (multifidus muscle)
28. Right lung
29. Azygos vein
30. Trachea
31. Right pulmonary artery
32. Vertebra
33. Left atrium
34. Intervertebral space
35. Right atrium
36. Intervertebral Foramen
37. Inferior vena cava
38. Superior articular process
39. Hepatic veins
40. Thyroid lymph nodes
41. Deep cervical lymph nodes
42. Supraclavicular lymph nodes
43. Paratracheal lymph nodes
44. Anterior mediastinal lymph nodes
45. Parasternal lymph nodes
46. Prevertebral lymph nodes
47. Subpericardial adipose tissue

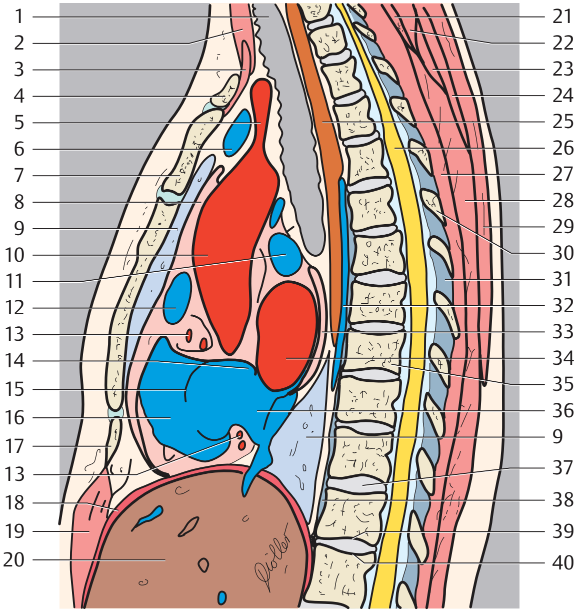




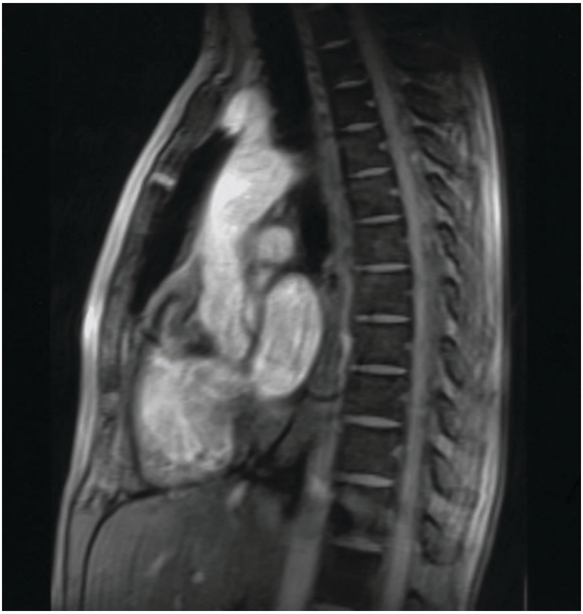


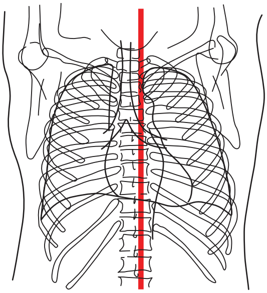
— = Borders of lung segments
— = Pericardium

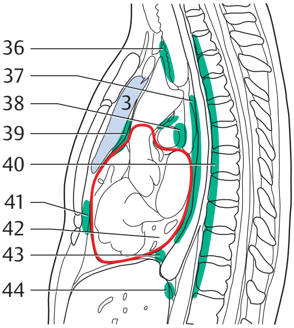
1. Trachea
2. Sternocleidomastoid muscle
3. Sternohyoid, sternothyroid, omohyoid muscle
4. Clavicle
5. Brachiocephalic trunk
6. Left brachiocephalic vein
7. Sternum (manubrium)
8. Pericardium
9. Right lung
10. Ascending aorta
11. Right pulmonary artery



12. Right auricle
13. Right coronary artery
14. Interartricular septum
15. Right atrioventricular (tricuspid) valve
16. Right ventricle
17. Xyphoid process of sternum
18. Diaphragm
19. Rectus abdominis muscle
20. Liver
21. Semispinalis capitis muscle
22. Splenius cervicis muscle and splenius capitis muscle
23. Serratus posterior superior muscle
24. Rhomboid major muscle
25. Esophagus
26. Spinal cord
27. Semispinalis thoracis muscle and multifidus muscle
28. Erector spinae muscle
29. Trapezius muscle
30. Spinosus process (T6)
31. Ligamenta flava
32. Azygos vein
33. Sinus of pericardium
34. Left atrium
35. Thoracic vertebra (T9)
36. Right atrium
37. Intervertebral space
38. Anterior longitudinal ligament
39. Inferior surface of vertebral body (T12)
40. Superior surface of vertebral body (L1)
41. Paratracheal lymph nodes
42. Juxtaesophageal lymph nodes
43. Prevertebral lymph node
44. Anterior mediastinal lymph nodes
45. Tracheobronchial lymph nodes
46. Prepericardial lymph nodes
47. Subpericardial adipose tissue



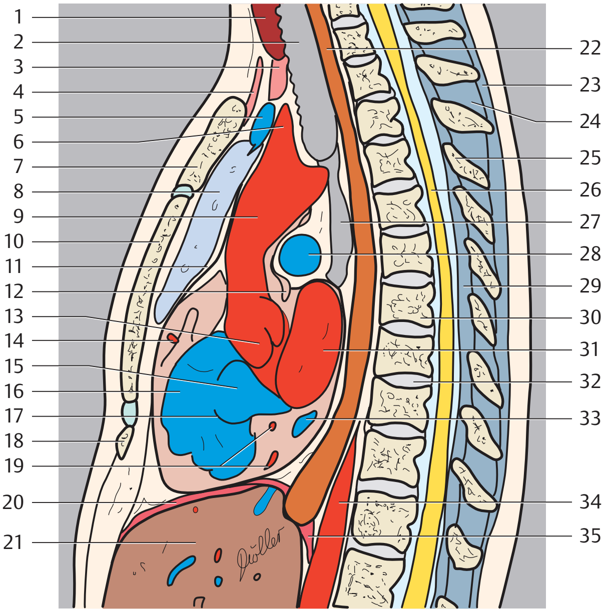




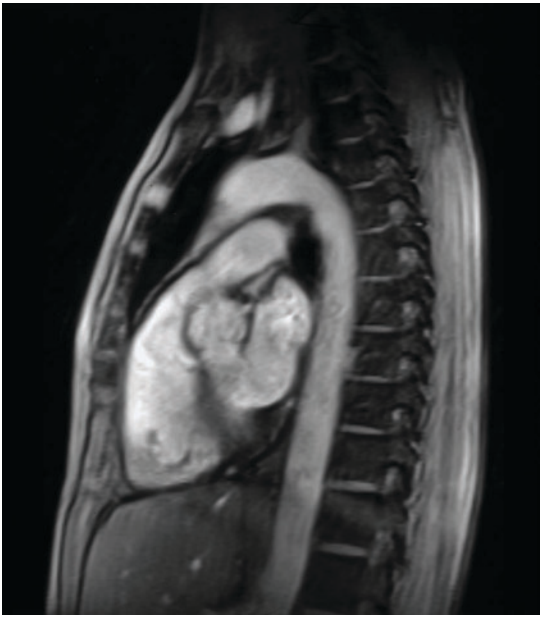
— = Borders of lung segments
— = Pericardium

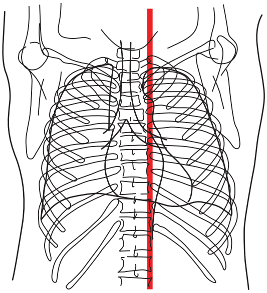
(Segments of the lungs, see page 2)

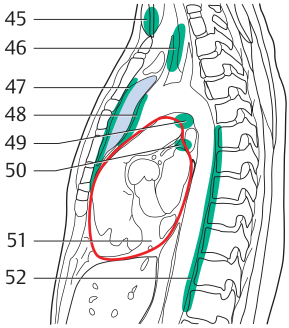
1. Thyroid gland
2. Trachea
3. Sternothyroid muscle
4. Sternohyoid muscle and omohyoid muscle
5. Left brachiocephalic vein
6. Brachiocephalic trunk
7. Sternum (manubrium)
8. Left lung
9. Ascending aorta
10. Sternum (body)
11. Pericardium



12. Transverse sinus of pericardium
13. Aortic bulb and aortic valve
14. Right coronary artery
15. Right atrium
16. Right ventricle
17. Right atrioventricular (tricuspid) valve
18. Xyphoid process of sternum
19. Right coronary artery (posterior interventricular branch and right marginal branch)
20. Diaphragm
21. Liver
22. Esophagus
23. Supraspinous ligament
24. Interspinal ligaments
25. Spinous process
26. Spinal cord
27. Bifurcation of trachea
28. Right pulmonary artery
29. Ligamenta flava
30. Thoracic vertebra
31. Left atrium
32. Intervertebral space
33. Coronary sinus
34. Descending aorta
35. Diaphragm (lumbar part)
36. Paratracheal lymph nodes
37. Juxtaesophageal lymph nodes
38. Tracheobronchial lymph nodes
39. Anterior mediastinal lymph nodes
40. Prevertebral lymph nodes
41. Parasternal lymph nodes
42. Subpericardial adipose tissue
43. Superior phrenic lymph nodes
44. Inferior phrenic lymph nodes

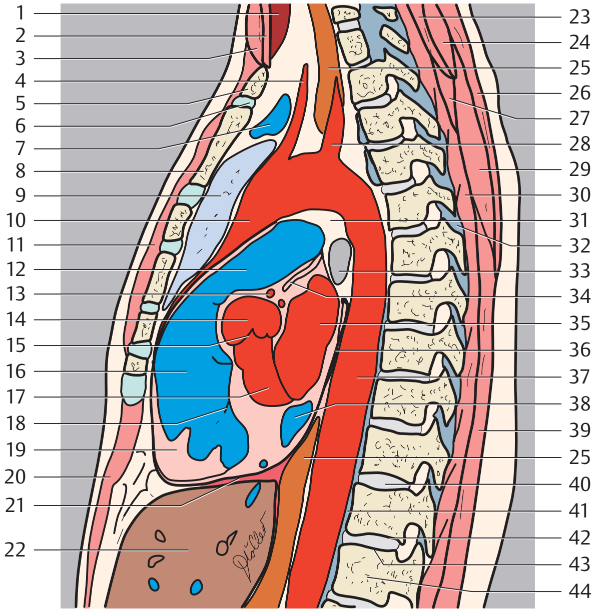




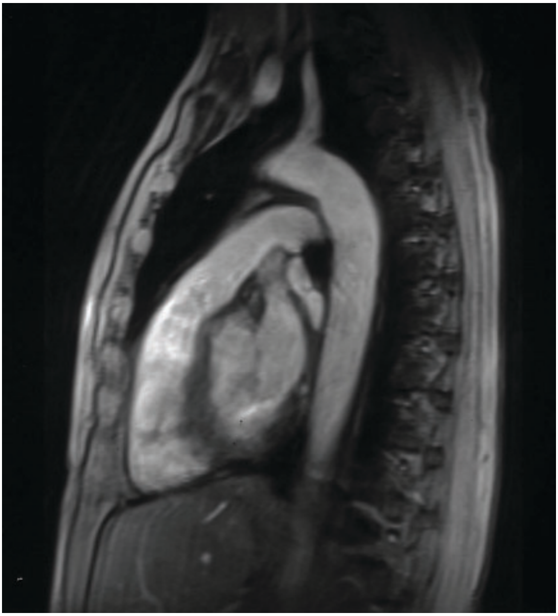


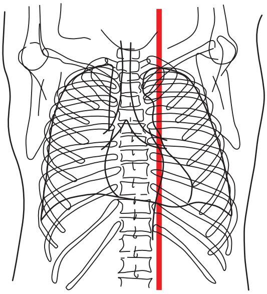
— = Borders of lung segments
— = Pericardium

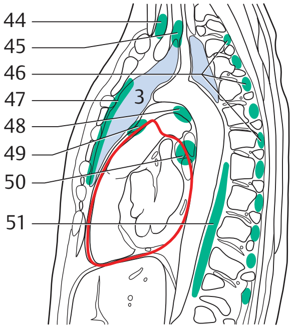
1. Thyroid gland
2. Sternothyroid, sternohyoid, omohyoid muscles
3. Sternocleidomastoid muscle
4. Common carotid artery
5. Clavicle
6. Sternoclavicular joint
7. Left brachiocephalic vein
8. Sternum (manubrium)
9. Left lung
10. Ascending aorta
11. Pectoralis major muscle
12. Pulmonary trunk
13. Left coronary artery
14. Aortic bulb
15. Aortic valve
16. Right ventricle
17. Left ventricle



18. Right atrioventricular (tricuspid) valve
19. Anterior papillary muscle
20. Rectus abdominis muscle
21. Diaphragm
22. Liver
23. Semispinalis capitis muscle
24. Splenius cervicis and capitis muscle
25. Esophagus
26. Trapezius muscle
27. Posterior serratus muscle
28. Subclavian artery
29. Rhomboid major muscle
30. Semispinalis thoracis muscle and multifidus muscle
31. Aorticopulmonary window
32. Ligamenta flava
33. Left main stem bronchus
34. Transverse sinus of pericardium
35. Left atrium
36. Pericardium
37. Descending aorta
38. Coronary sinus
39. Erector spinae muscle
40. Intervertebral space
41. Anterior longitudinal ligament
42. Inferior surface of vertebral body
43. Superior surface of vertebral body
44. Lumbar vertebra (L1)
45. Thyroid lymph nodes
46. Deep cervical lymph nodes
47. Parasternal lymph nodes
48. Anterior mediastinal lymph nodes
49. Bronchopulmonal lymph nodes
50. Tracheobronchial lymph nodes
51. Subpericardial adipose tissue
52. Prevertebral lymph nodes



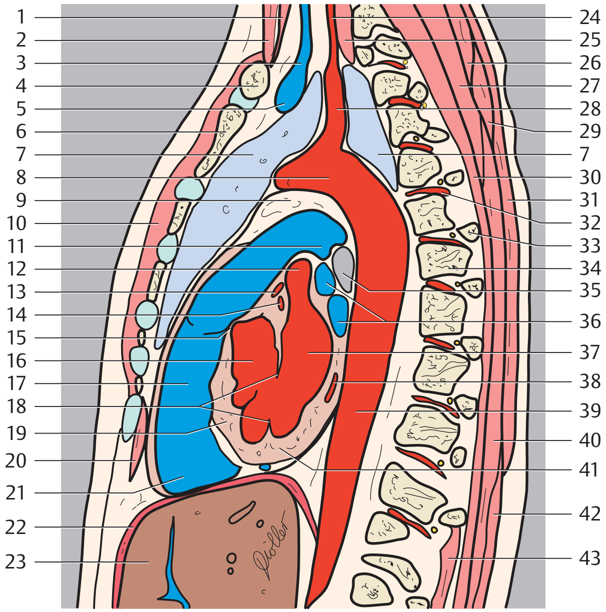




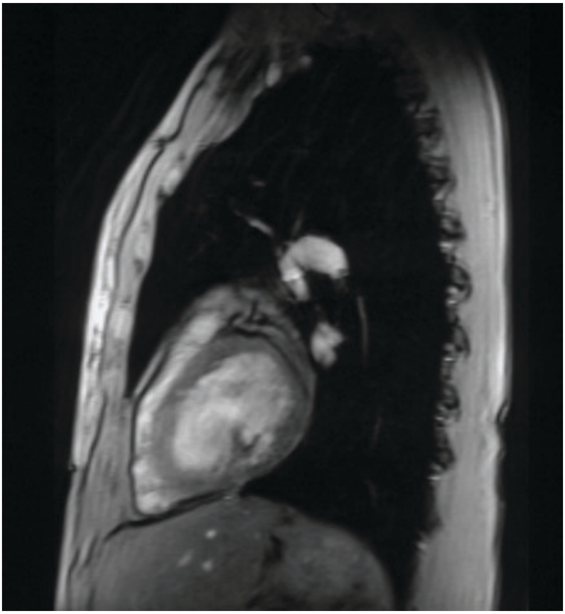
— = Borders of lung segments
— = Pericardium

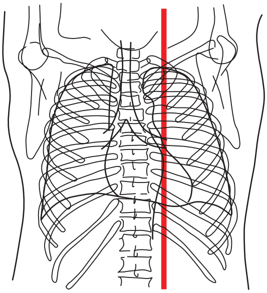
(Segments of the lung, see page 2)

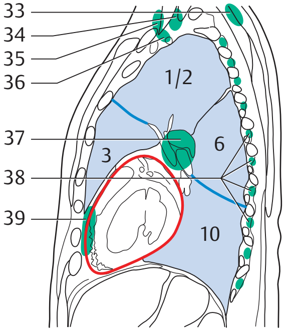
1. Thyroid gland
2. Sternocleidomastoid muscle
3. Left internal jugular vein
4. Clavicle
5. Left brachiocephalic vein
6. Sternum (manubrium)
7. Left lung
8. Aortic arch
9. Aorticopulmonary window
10. Pectoralis major muscle
11. Left pulmonary artery
12. Left auricle
13. Left coronary artery (anterior interventricular branch)
14. Left coronary artery (circumflex branch)



15. Valve of pulmonary trunk
16. Left ventricle
17. Conus arteriosus
18. Left atrioventricular (mitral) valve
19. Interventricular septum
20. Rectus abdominis muscle
21. Right ventricle
22. Diaphragm
23. Liver
24. Vertebral artery
25. Longus colli muscle
26. Splenius cervicis and capitis muscle
27. Semispinalis cervicis muscle
28. Subclavian artery
29. Serratus posterior superior muscle and rhomboid major muscle
30. Semispinalis thoracis muscle and multifidus muscle
31. Trapezius muscle
32. Posterior intercostal artery
33. Head of rib
34. Thoracic vertebra
35. Left main stem bronchus
36. Pulmonary veins
37. Left atrium
38. Coronary sinus
39. Descending aorta
40. Erector spinae muscle
41. Myocardium
42. Latissimus dorsi muscle
43. Intercostal muscle
44. Superficial cervical lymph nodes
45. Deep cervical lymph nodes
46. Posterior intercostal lymph nodes
47. Parasternal lymph nodes
48. Aortopulmonary lymph nodes
49. Anterior mediastinal lymph nodes
50. Bronchopulmonary lymph nodes
51. Paravertebral lymph nodes






33
34
35
36
37
38
39
1/2
3
6
10

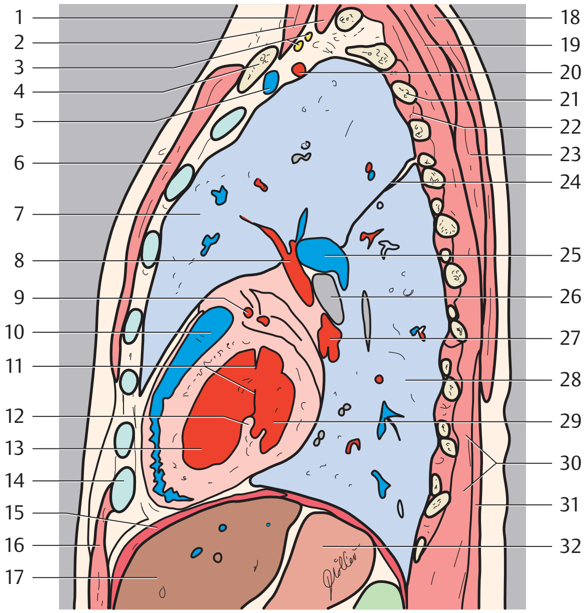
— = Borders of lung segments

— = Pericardium

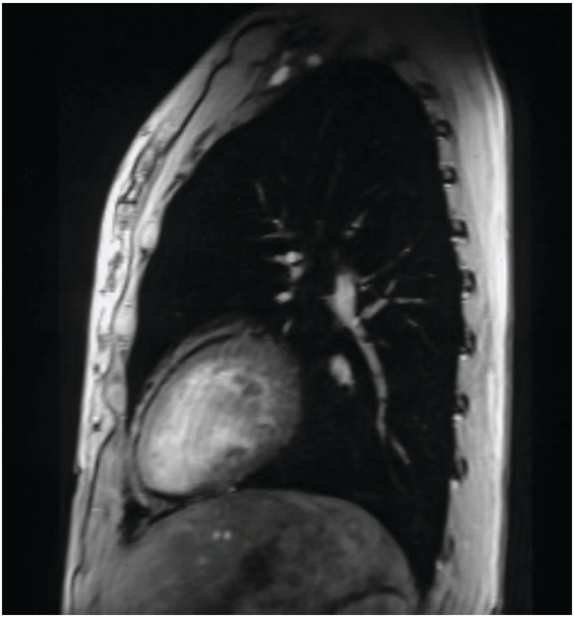
Left Lung

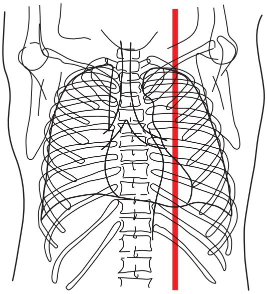
1+2 Apicoposterior segment of upper lobe

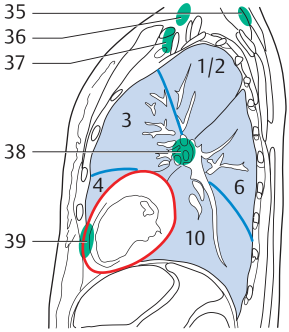
3. Anterior segment of upper lobe
6. Superior segment of lower lobe
10. Posterior basal segment of lower lobe



1. Anterior scalene muscle
2. Posterior scalene muscle
3. Brachial plexus
4. Clavicle
5. Subclavian vein
6. Pectoralis major muscle
7. Left lung (upper lobe)
8. Left pulmonary vein
9. Left coronary artery
10. Right ventricle
11. Left atrioventricular (mitral) valve
12. Posterior papillary muscle
13. Left ventricle
14. Costal cartilage (Rib 7)
15. Diaphragm
16. Rectus abdominis muscle
17. Liver
18. Trapezius muscle
19. Splenius cervicis and capitis muscle
20. Subclavian artery
21. Rib 3
22. Intercostal muscle
23. Serratus posterior superior muscle and rhomboid major muscle
24. Oblique fissure
25. Left pulmonary artery
26. Left main stem bronchus
27. Left inferior pulmonary vein
28. Left lung (inferior lobe)
29. Left atrium
30. Semispinalis thoracis muscle and multifidus muscle
31. Latissimus dorsi muscle
32. Stomach
33. Nuchal lymph nodes
34. Deep cervical lymph nodes
35. Superficial cervical lymph nodes
36. Supraclavicular lymph nodes
37. Pulmonal lymph nodes
38. Intercostal lymph nodes
39. Prepericardial lymph nodes

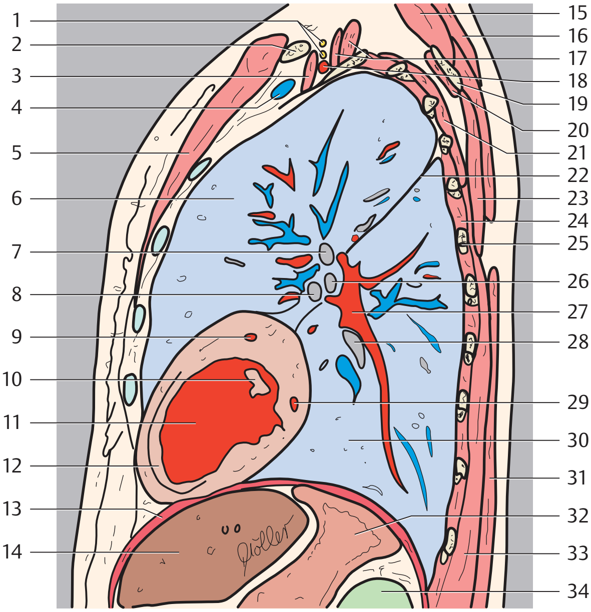




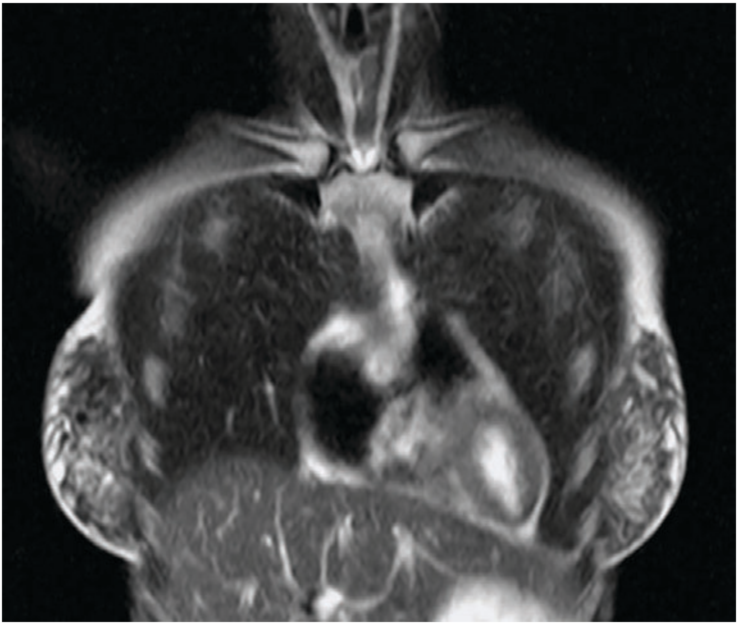


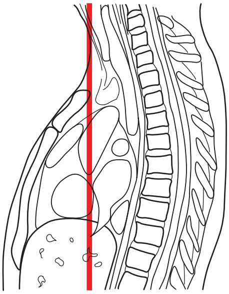
— = Borders of lung segment
— = Pericardium

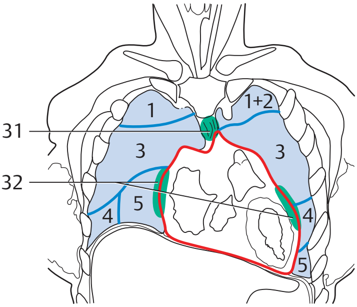
Left Lung
1+2 Apicoposterior segment of upper lobe
3. Anterior segment of upper lobe
4. Superior lingular segment
6. Superior segment of lower lobe
10. Posterior basal segment of lower lobe



1. Brachial plexus
2. Clavicle
3. Anterior scalene muscle
4. Subclavian vein
5. Pectoralis major muscle
6. Left lung (upper lobe)
7. Left superior lobar bronchus
8. Inferior lingular bronchus
9. Left coronary artery (anterior interventricular branch)
10. Anterior papillary muscle
11. Left ventricle
12. Interventricular septum
13. Diaphragm
14. Liver
15. Levator scapulae muscle
16. Trapezius muscle
17. Medial and posterior scalene muscles
18. Subclavian artery
19. Scapula
20. Posterior serratus muscle
21. Serratus anterior muscle
22. Oblique fissure
23. Rhomboid major muscle
24. Intercostal muscle
25. Rib 6
26. Superior lingular bronchus
27. Left inferior pulmonary vein
28. Left inferior lobar bronchus
29. Left coronary artery (circumflex branch)
30. Left lung (lower lobe)
31. Latissimus dorsi muscle
32. Stomach
33. Semispinalis thoracis muscle and multifidus muscle
34. Left kidney
35. Nuchal lymph nodes
36. Superficial cervical lymph nodes
37. Supraclavicular lymph nodes
38. Pulmonal lymph nodes
39. Prepericardial lymph nodes



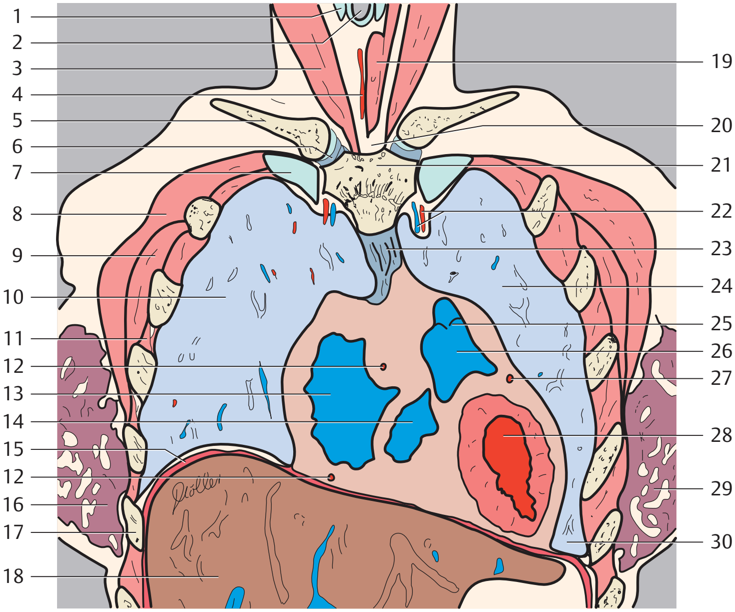




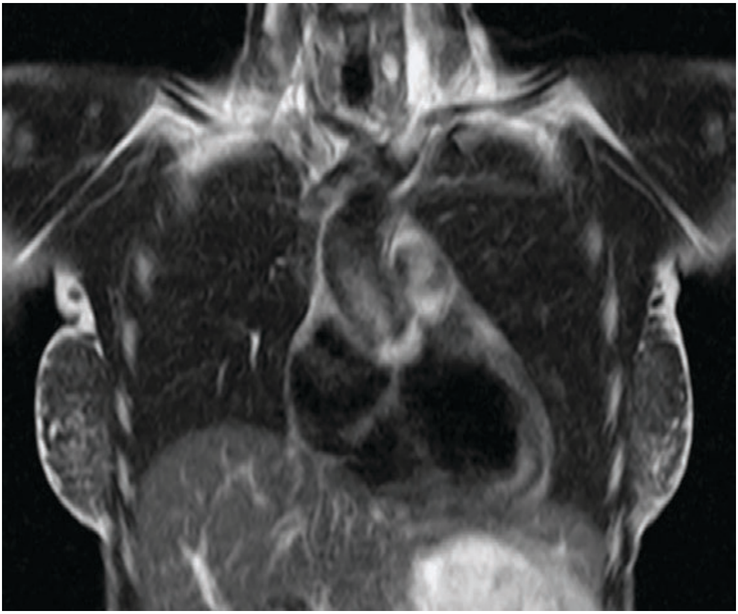
— = Borders of lung segments
— = Pericardium

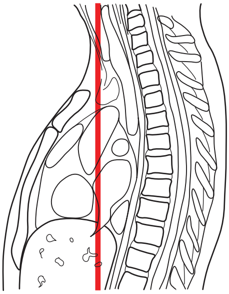
Right Lung
1. Apical segment of upper lobe
3. Anterior segment of upper lobe
4. Lateral segment of middle lobe
5. Medial segment of middle lobe

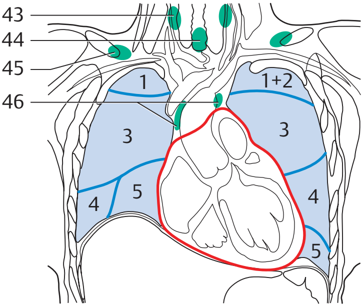
Left Lung
1+2 Apicoposterior segment of upper lobe
3. Anterior segment of upper lobe
4. Superior lingular segment
5. Inferior lingular segment



1. Thyroid cartilage
2. Trachea
3. Sternocleidomastoid muscle
4. Thyroid ima artery
5. Clavicle
6. Sternoclavicular joint
7. Rib 1
8. Pectoralis major muscle
9. Pectoralis minor muscle
10. Right lung
11. Intercostal muscle
12. Right coronary artery
13. Right atrium
14. Right ventricle
15. Diaphragm
16. Right breast (glandular tissue)
17. Rib 6
18. Liver
19. Omohyoid, sternothyroid and sternohyoid muscles
20. Jugular notch
21. Sternum
22. Internal thoracic artery and vein
23. Sternopericardial ligaments
24. Left lung
25. Valve of pulmonary trunk
26. Conus arteriosus
27. Circumflex branch of left coronary artery
28. Left ventricle
29. Left breast (glandular tissue)
30. Phrenicomediastinal recess
31. Anterior mediastinal lymph nodes
32. Lateral pericardial lymph nodes



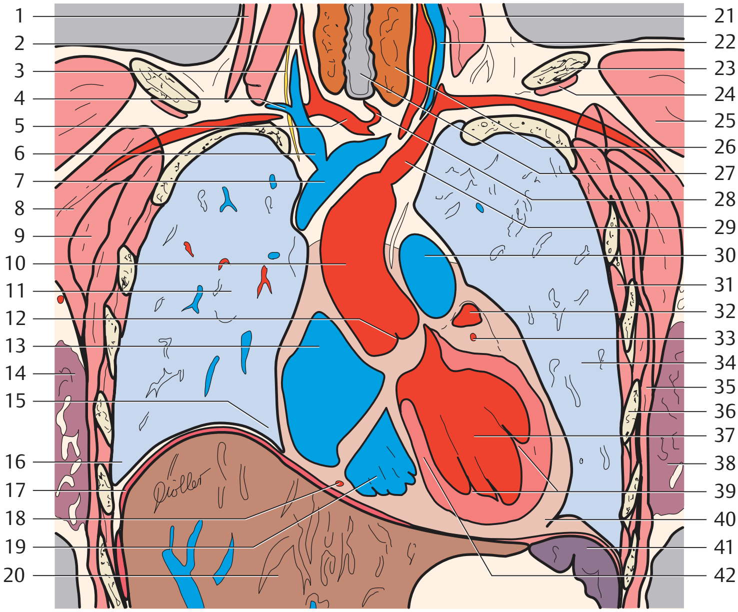




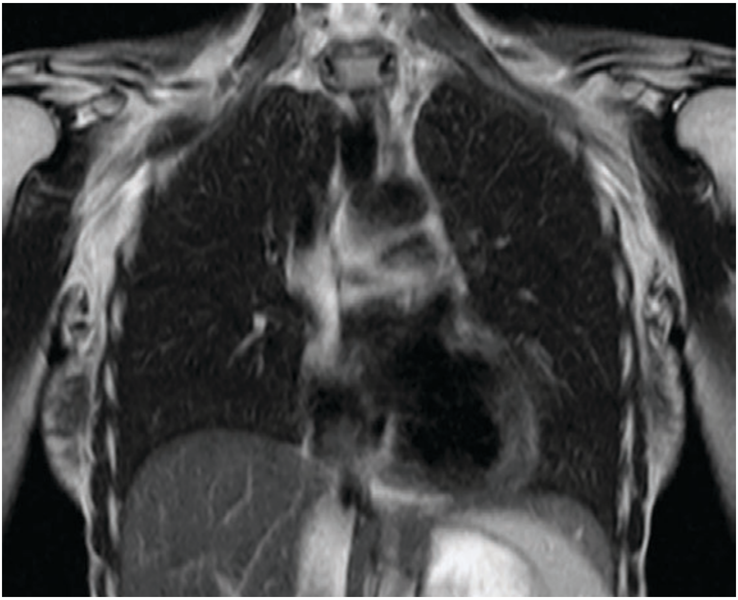
— = Borders of lung segments
— = Pericardium

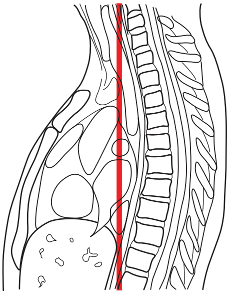
(Segments of the lungs, see page 2)

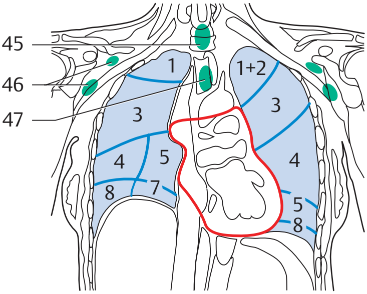
1. Sternocleidomastoid muscle
2. Right common carotid artery
3. Phrenic nerve
4. Subclavian artery and vein
5. Brachiocephalic trunk
6. Right brachiocephalic vein
7. Superior vena cava
8. Pectoralis major muscle
9. Pectoralis minor muscle
10. Ascending aorta
11. Right lung
12. Aortic valve



13. Right atrium
14. Right breast (glandular tissue)
15. Phrenicomediastinal recess
16. Costodiaphragmatic recess
17. Diaphragm
18. Right coronary artery
19. Right ventricle
20. Liver
21. Anterior scalene muscle
22. Internal jugular vein and vertebral artery
23. Clavicle
24. Subclavius muscle
25. Deltoid muscle
26. Thyroid gland
27. Trachea
28. Thyroidea ima artery
29. Left subclavian artery
30. Pulmonary trunk
31. Intercostal muscle
32. Left auricle
33. Circumflex branch of left coronary artery
34. Left lung
35. Serratus anterior muscle
36. Rib 5
37. Left ventricle
38. Left breast (glandular tissue)
39. Papillary muscle of the left ventricle
40. Apex of heart
41. Spleen
42. Interventricular septum
43. Superficial cervical lymph nodes
44. Paratracheal lymph nodes
45. Supraclavicular lymph nodes
46. Anterior mediastinal lymph nodes



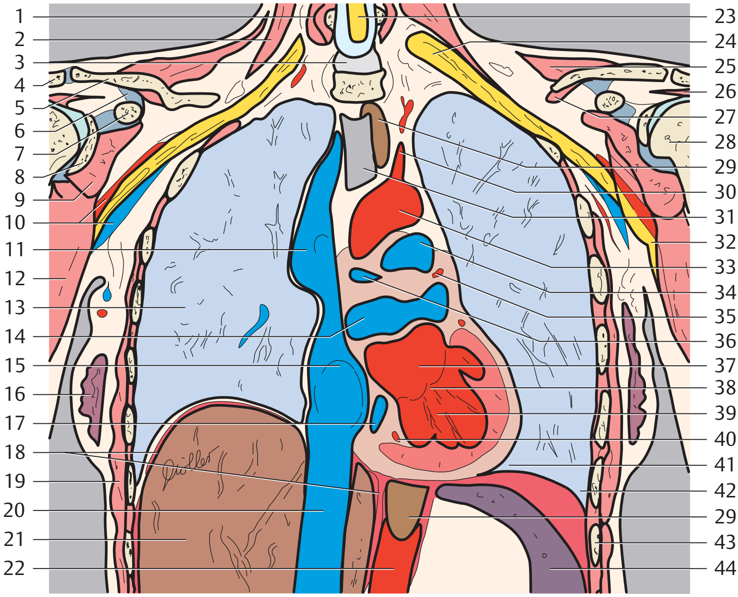




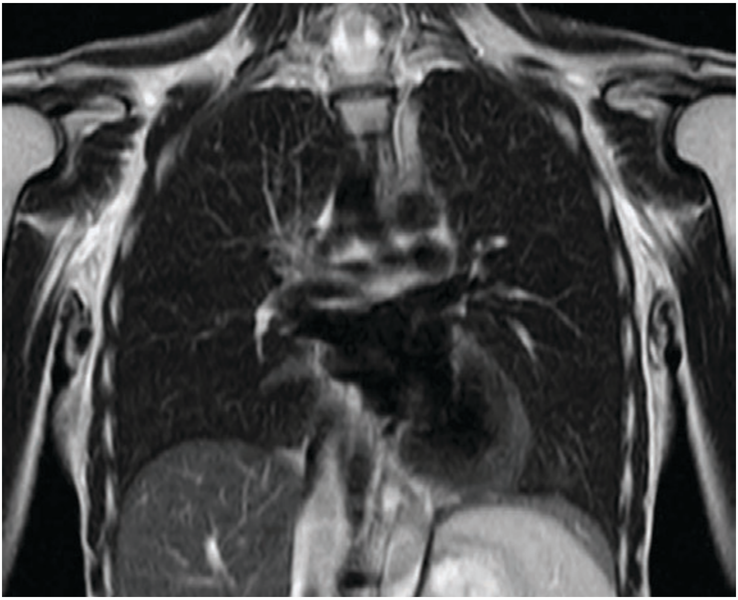
— = Borders of lung segments
— = Pericardium

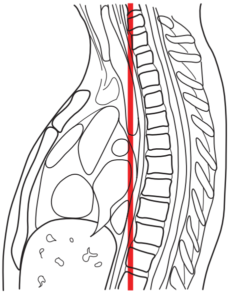
(Segments of the lungs, see page 2)

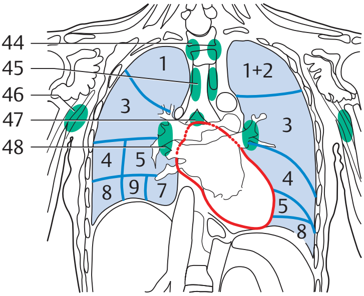
1. Longus colli muscle
2. Medial und posterior scalene muscles
3. Intervertebral disk and anterior longitudinal ligament
4. Scapula
5. Clavicle



6. Coracoclavicular ligament
7. Coracoid process
8. Glenoid cavitiy (articular cavity of the shoulder)
9. Subscapularis muscle
10. Axillary artery and vein
11. Superior vena cava (with azygos vein)
12. Teres major muscle
13. Right lung
14. Pulmonary veins
15. Right atrium (with oval fossa)
16. Right breast (glandular tissue)
17. Coronary sinus
18. Diaphragm
19. Serratus anterior muscle
20. Inferior vena cava
21. Liver
22. Abdominal aorta
23. Spinal cord
24. Cervical plexus
25. Trapezius muscle
26. Supraspinatus muscle
27. Subclavius muscle
28. Head of humerus
29. Esophagus
30. Common carotid artery
31. Trachea
32. Axillary nerve
33. Aortic arch
34. Pulmonary trunk
35. Left coronary artery
36. Right pulmonary artery
37. Left atrium
38. Left atrioventricular (mitral) valve
39. Left ventricle
40. Right coronary artery
41. Sinus phrenicomediastinalis
42. Costodiaphragmatic recess
43. Rib 6
44. Spleen
45. Prevertebral lymph nodes
46. Superficial and deep axillary lymph nodes
47. Paratracheal lymph nodes



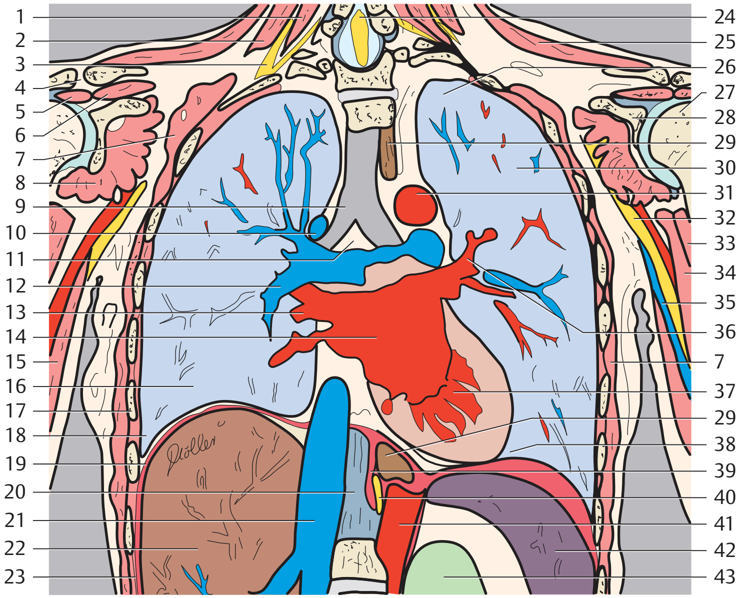




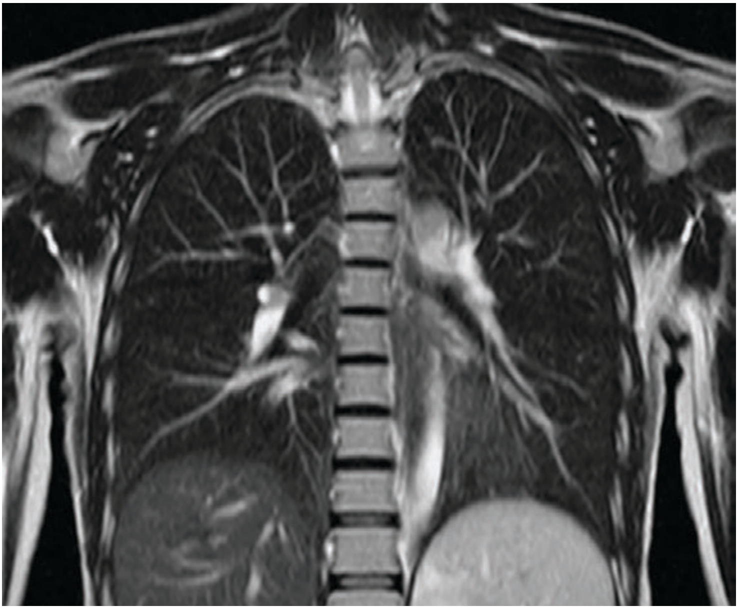
— = Borders of lung segments
— = Pericardium

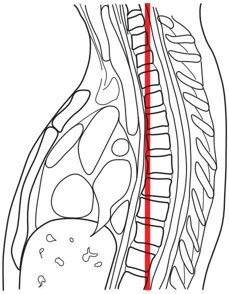
(Segments of the lungs, see page 2)

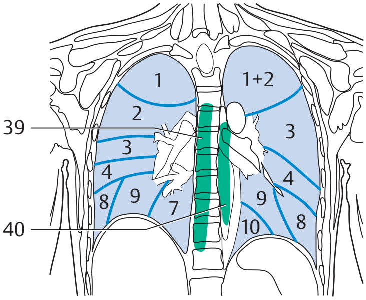
1. Longus colli muscle
2. Posterior scalene muscle
3. Cervical plexus
4. Acromioclavicular joint
5. Infraspinatus muscle
6. Supraspinatus muscle
7. Serratus anterior muscle
8. Subscapularis muscle
9. Trachea
10. Azygos vein
11. Aorticopulmonary window
12. Right pulmonary artery


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
7
37
29
38
39
40
41
42
43

13. Right pulmonary vein
14. Left atrium
15. Triceps muscle
16. Right lung
17. Rib 7
18. Costodiaphragmatic recess
19. Diaphragm
20. Anterior longitudinal ligament
21. Inferior vena cava
22. Liver
23. Intercostal muscle
24. Spinal cord
25. Trapezius muscle
26. Apical part of lung
27. Head of humerus
28. Glenoid cavity (articular cavity of the shoulder)
29. Esophagus
30. Left lung
31. Aortic arch
32. Median nerve
33. Biceps muscle
34. Coracobrachialis muscle
35. Basilic vein
36. Left pulmonary vein
37. Left ventricle
38. Phrenicomediastinal recess
39. Diaphragm
40. Vagal trunk and thoracic duct
41. Abdominal aorta
42. Spleen
43. Kidney
44. Prevertebral lymph nodes
45. Paratracheal lymph nodes
46. Axillary lymph nodes
47. Tracheobronchial lymph nodes
48. Bronchopulmonary lymph nodes

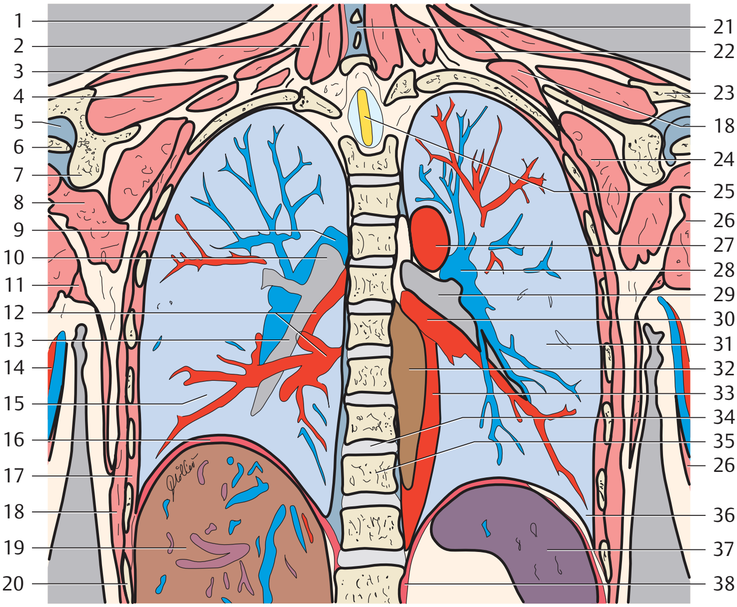




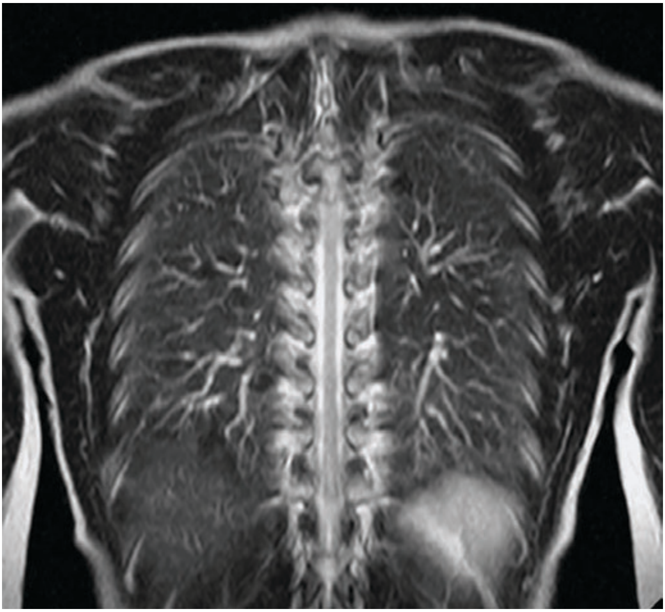


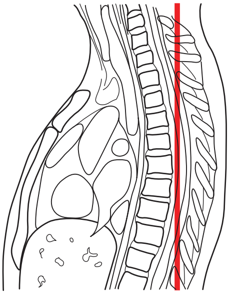
Right Lung
1. Apical segment of upper lobe
2. Posterior segment of upper lobe
3. Anterior segment of upper lobe
4. Lateral segment of middle lobe
7. Medial basal (cardiac) segment of lower lobe
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe

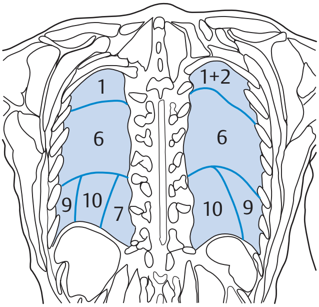
Left Lung
1+2 Apicoposterior segment of upper lobe
3. Anterior segment of upper lobe
4. Superior lingular segment
8. Anterior basal segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe



1. Multifidus muscle
2. Semispinalis cervicis muscle
3. Trapezius muscle
4. Supraspinatus muscle
5. Shoulder (glenohumeral) joint
6. Head of humerus
7. Glenoid cavitiy (articular cavity of the shoulder)
8. Teres minor muscle
9. Right pulmonary artery
10. Right main stem bronchus
11. Latissimus dorsi muscle
12. Right pulmonary veins
13. Right inferior lobar bronchus
14. Brachial artery and vein
15. Right lung
16. Diaphragm
17. Intercostal muscle
18. Serratus anterior muscle
19. Liver
20. Rib 10
21. Spinous process and interspinal ligament
22. Levator scapulae muscle
23. Spine of scapula
24. Subscapularis muscle
25. Spinal cord
26. Triceps muscle
27. Aortic arch
28. Left pulmonary artery
29. Left main stem bronchus
30. Left pulmonary vein
31. Left lung
32. Esophagus
33. Descending aorta
34. Intervertebral disk (T9-T10)
35. Thoracic vertebra (T10)
36. Costodiaphragmatic recess
37. Spleen
38. Diaphragm
39. Prevertebral lymph nodes
40. Juxtaesophageal lymph nodes







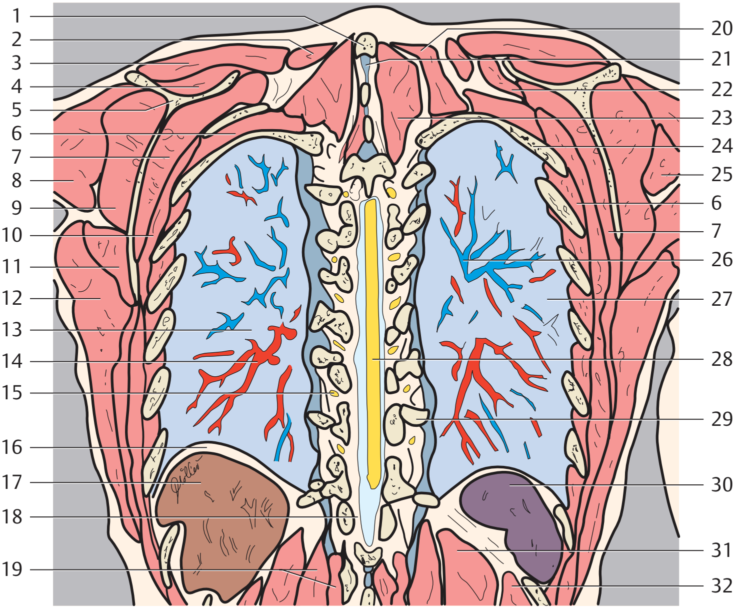
—— = Borders of lung segments

Right Lung

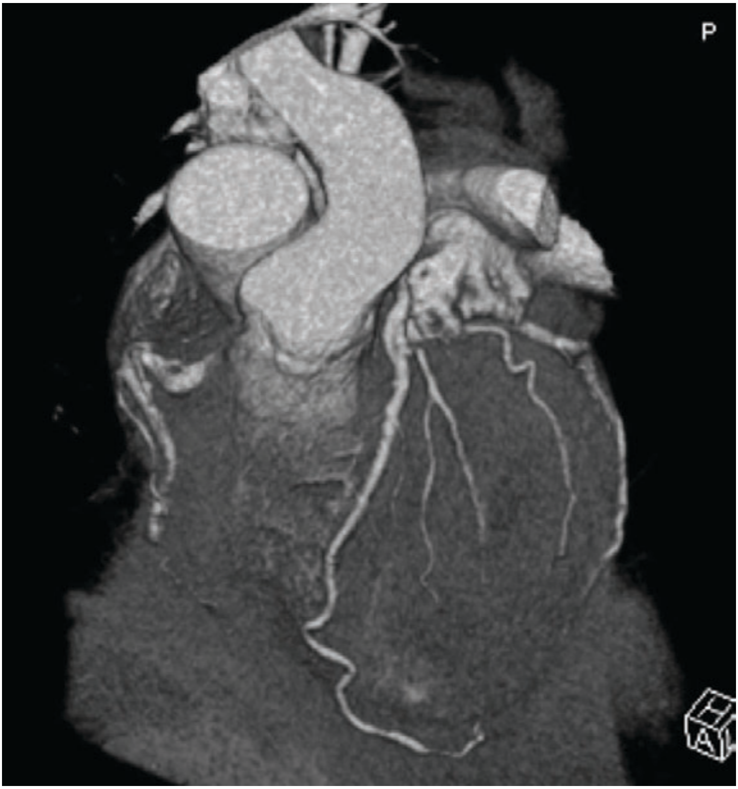
1. Apical segment of upper lobe
6. Superior segment of lower lobe
7. Medial basal (cardiac) segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe

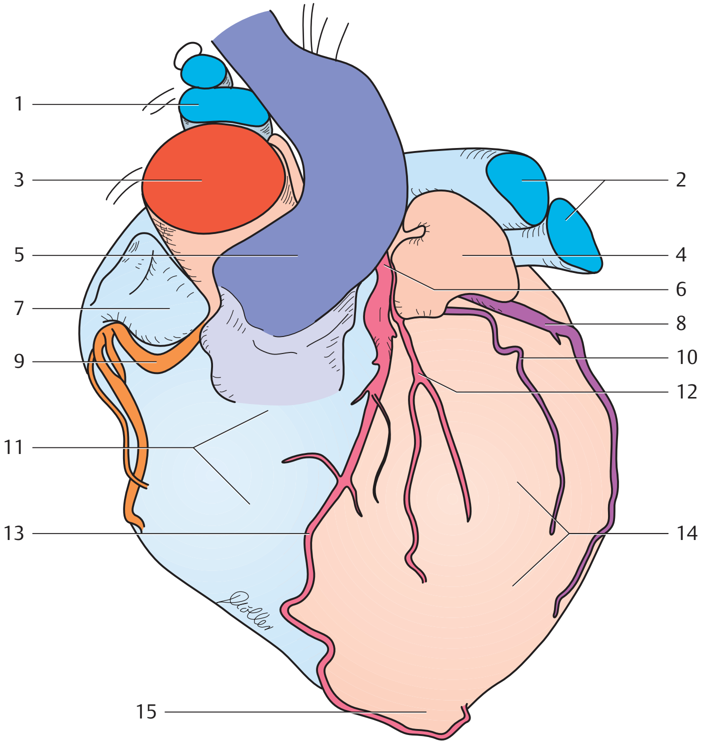
Left Lung

1+2 Apicoposterior segment of upper lobe
6. Superior segment of lower lobe
9. Lateral basal segment of lower lobe
10. Posterior basal segment of lower lobe



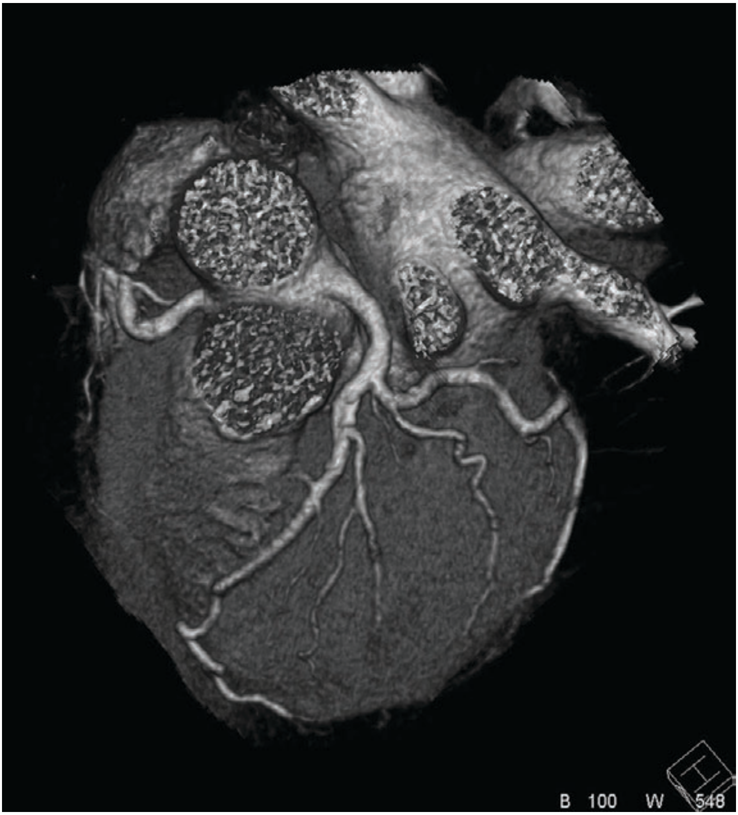
1. Spinous process (C7)
2. Splenius cervicis muscle
3. Trapezius muscle
4. Supraspinatus muscle
5. Scapula
6. Intercostal muscle
7. Subscapularis muscle
8. Deltoid muscle
9. Infraspinatus muscle
10. Serratus anterior muscle
11. Teres major muscle
12. Latissimus dorsi muscle
13. Right lung
14. Right pulmonary veins
15. Spinal nerve (T9)
16. Diaphragm
17. Liver
18. Ligamenta flava
19. Transversospinal muscle (of erector spinae muscle)
20. Serratus posterior superior muscle
21. Interspinal ligaments
22. Levator scapulae muscle
23. Erector spinae muscle
24. Rib 3
25. Teres minor muscle
26. Pulmonary arteries
27. Left lung
28. Spinal cord
29. Rib 9
30. Spleen
31. Longissimus muscle
32. Iliocostalis muscle

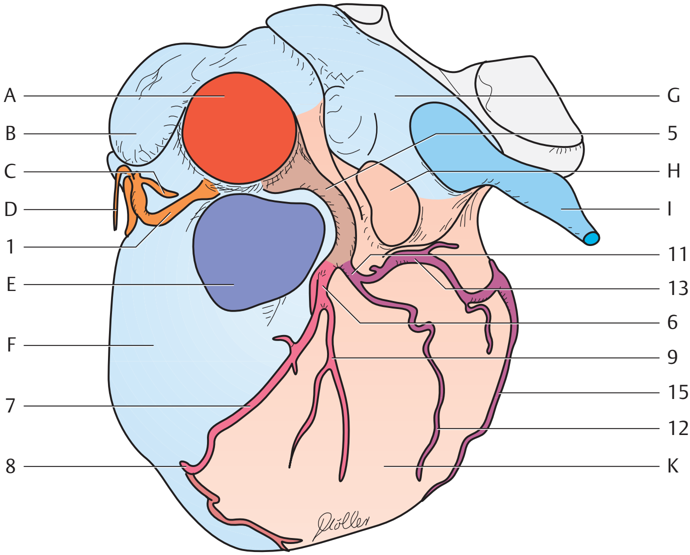

P
H
A



1. Superior vena cava
2. Left pulmonary veins
3. Ascending aorta
4. Left auricle
5. Pulmonary trunk
6. Left coronary artery, main stem (segment 5)
7. Right auricle
8. Circumflex branch of left coronary artery (LCX, segment 13)
9. Right coronary artery (RCA, segment 1)
10. Left marginal branch of left coronary artery (first marginal branch, M1, segment 12)
11. Right ventricle
12. First lateral branch of left coronary artery (segment 9)
13. Anterior interventricular branch of left coronary artery (LAD = RIVA, segment 7)
14. Left ventricle
15. Apex of heart

(Segments of coronary arteries are designated according to the classification of the American Heart Association; see Austen et al. 1975)


B 100 W 548
H

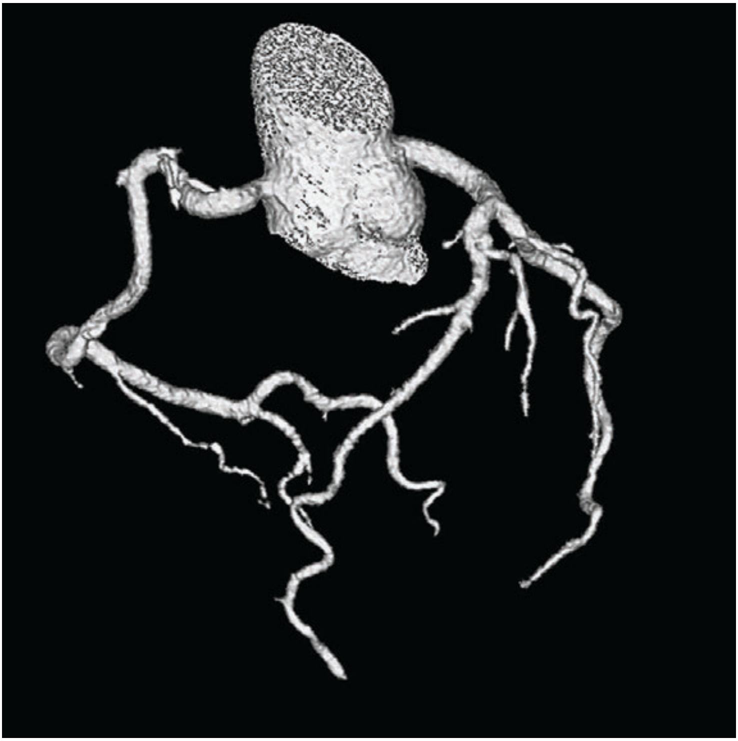


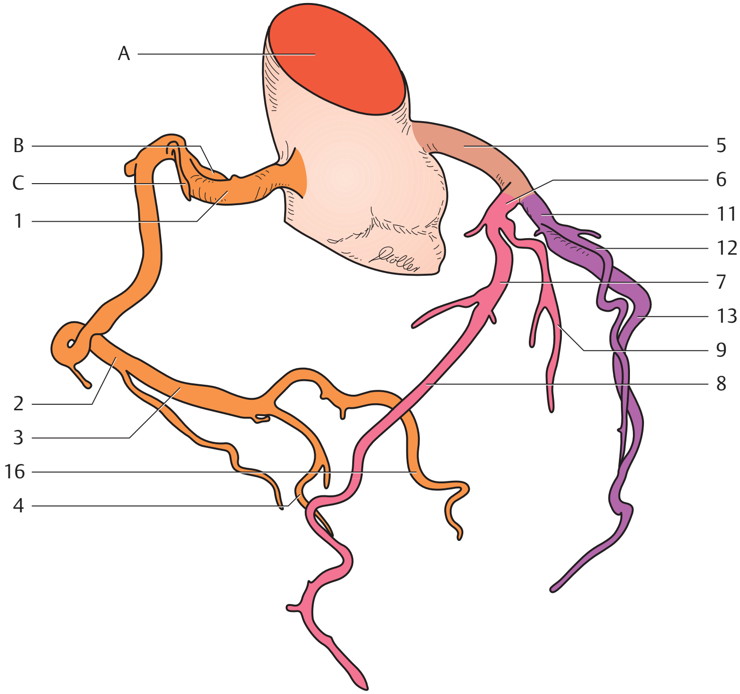
1. Right coronary artery (RCA, proximal segment)
2. Right coronary artery (RCA, middle segment)
3. Right coronary artery (RCA, distal segment)
4. Posterior interventricular branch of right coronary artery
5. Left coronary artery (main stem)
6. Anterior interventricular branch of left coronary artery (LAD = RIVA, proximal segment)
7. Anterior interventricular branch of left coronary artery (LAD = RIVA, middle segment)
8. Anterior interventricular branch of left coronary artery (LAD = RIVA, distal segment)
9. First diagonal branch
10. (Second diagonal branch)
11. Circumflex branch of left coronary artery (LCX, proximal segment)
12. First marginal branch, M1
13. Circumflex branch of left coronary artery (LCX, middle segment)
14. (Second marginal branch, M2)
15. Circumflex branch of left coronary artery (LCX, distal segment)
16. Posterior left interventricular branch of right coronary artery
17. Intermediate atrial branch of right coronary artery

(Segments of coronary arteries are designated according to the classification of the American Heart Association; see Austen et al. 1975)

A Ascending aorta with aortic sinus
B Right auricle
C Sinuatrial nodal branch
D Conus branch

E Pulmonary trunk
F Right ventricle
G Left atrium
H Left auricle
I Left pulmonary vein
K Left ventricle

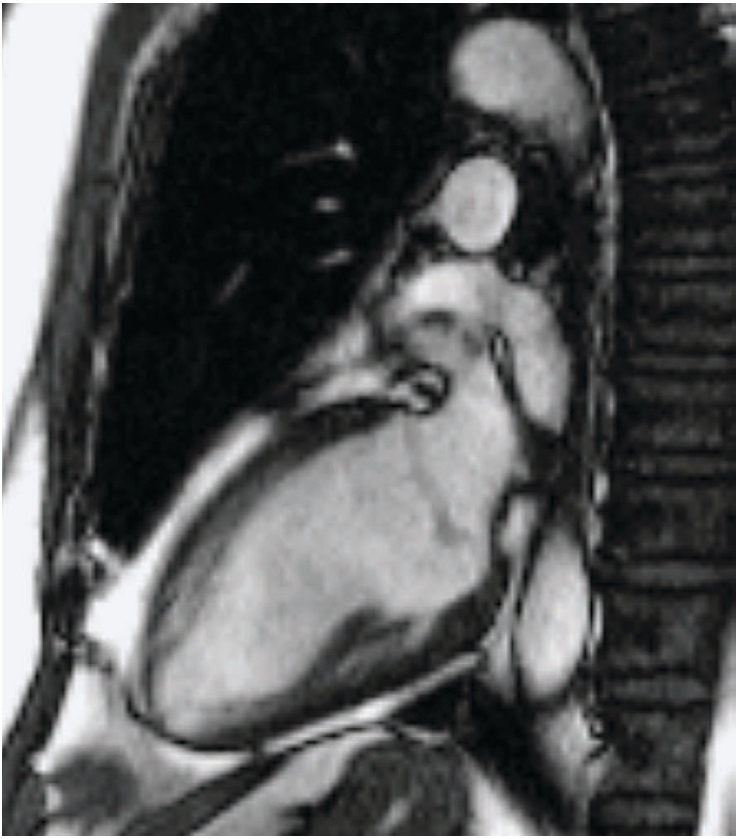


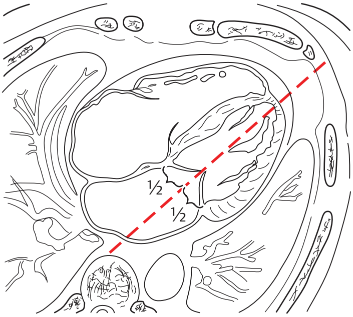


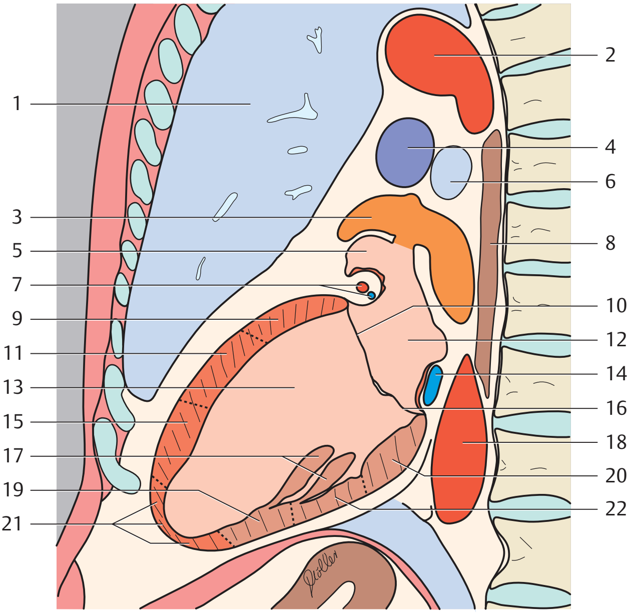
1. Right coronary artery (RCA, proximal segment)
2. Right coronary artery (RCA, middle segment)
3. Right coronary artery (RCA, distal segment)
4. Posterior interventricular branch of right coronary artery
5. Left coronary artery (main stem)
6. Anterior interventricular branch of left coronary artery (LAD = RIVA, proximal segment)
7. Anterior interventricular branch of left coronary artery (LAD = RIVA, middle segment)
8. Anterior interventricular branch of left coronary artery (LAD = RIVA, distal segment)
9. First diagonal branch
10. (Second diagonal branch)
11. Circumflex branch of left coronary artery (LCX, proximal segment)
12. First marginal branch, M1
13. Circumflex branch of left coronary artery (LCX, middle segment)
14. (Second marginal branch, M2)
15. Circumflex branch of left coronary artery (LCX, distal segment)
16. Posterior left interventricular branch of right coronary artery
17. Intermediate atrial branch of right coronary artery

(Segments of coronary arteries are designated according to the classification of the American Heart Association; see Austen et al. 1975)

A Ascending aorta
B Sinuatrial nodal branch
C Conus branch




½
½

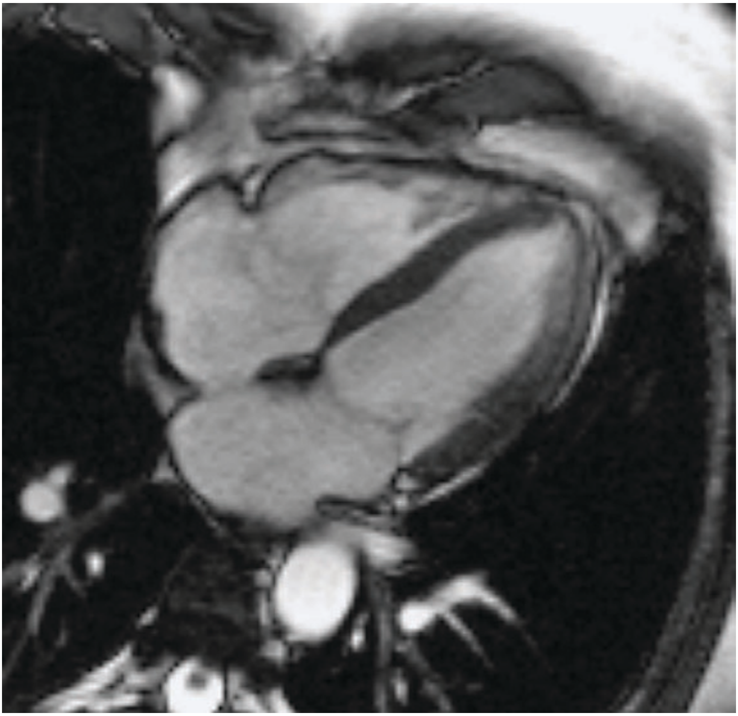


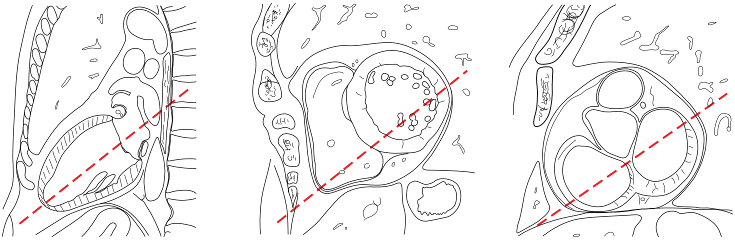
1. Left lung
2. Aortic arch
3. Pulmonary vein
4. Pulmonary artery
5. Left auricle
6. Left main bronchus
7. Left coronary artery
8. Esophagus
9. Ventricular myocardium (anterior basal segment)
10. Left atrioventricular (mitral) valve, anterior cusp
11. Ventricular myocardium (anterior medial segment)
12. Left atrium
13. Left ventricle
14. Coronary sinus
15. Ventricular myocardium (anterior apical segment)
16. Left atrioventricular valve (mitral valve), posterior cusp
17. Posterior papillary muscle
18. Descending aorta
19. Ventricular myocardium (inferior apical segment)
20. Ventricular myocardium (inferior basal segment)
21. Apex of heart
22. Ventricular myocardium (inferior medial segment)

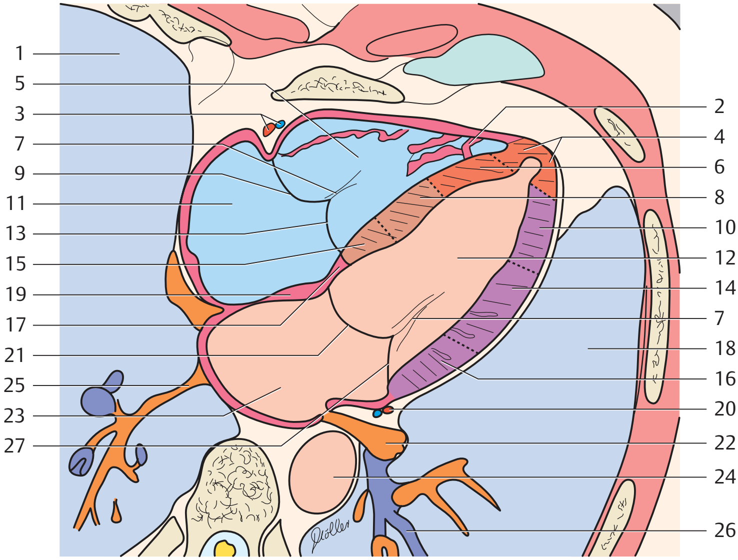
Coronary vascular territories

🟥 Left anterior descending artery (LAD)

🟧 Right coronary artery (RCA)



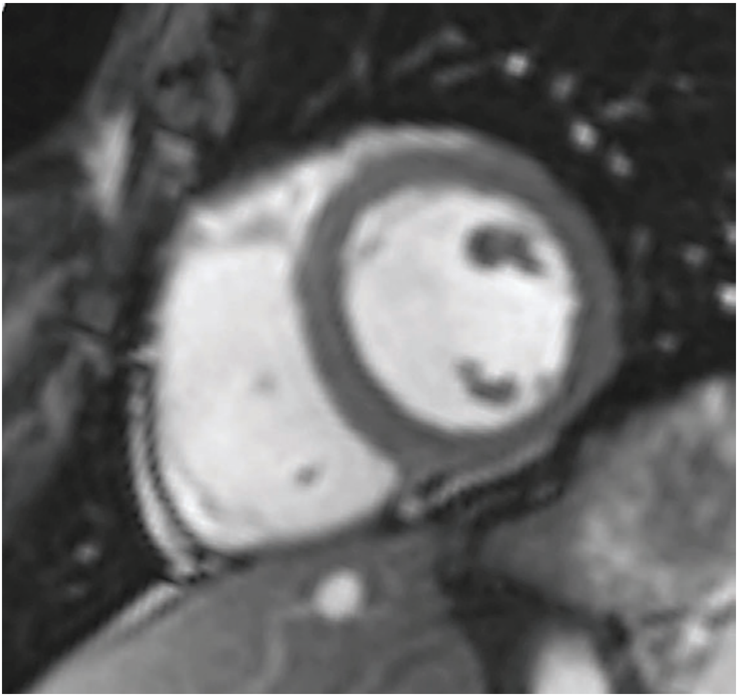


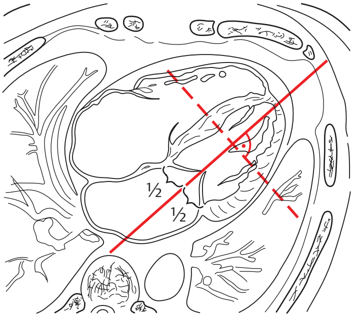


1. Right lung
2. Septomarginal trabecula (moderator band)
3. Right coronary artery
4. Apex of heart
5. Right ventricle
6. Interventricular septum (apical septal segment)
7. Tendinous cords
8. Interventricular septum (medial inferoseptal segment)
9. Right atrioventricular valve (tricuspid valve), anterior cusp
10. Ventricular myocardium (lateral apical segment)
11. Right atrium
12. Left ventricle
13. Right atrioventricular valve (tricuspid valve), septal cusp
14. Ventricular myocardium (medial anterolateral segment)
15. Interventricular septum (basal inferoseptal segment)
16. Ventricular myocardium (basal anterolateral segment)
17. Atrioventricular septum
18. Left lung
19. Interatrial septum
20. Left coronary artery (circumflex branch)
21. Left atrioventricular valve (mitral valve), anterior cusp
22. Left pulmonary vein
23. Left atrium
24. Descending aorta
25. Right pulmonary vein
26. Left pulmonary artery
27. Left atrioventricular valve (mitral valve), posterior cusp

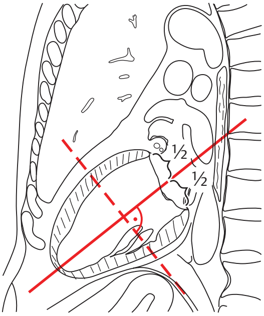
Coronary vascular territories

🟥 Left anterior descending artery (LAD)
🟧 Right coronary artery (RCA)
🟪 Left circumflex artery (LCX)

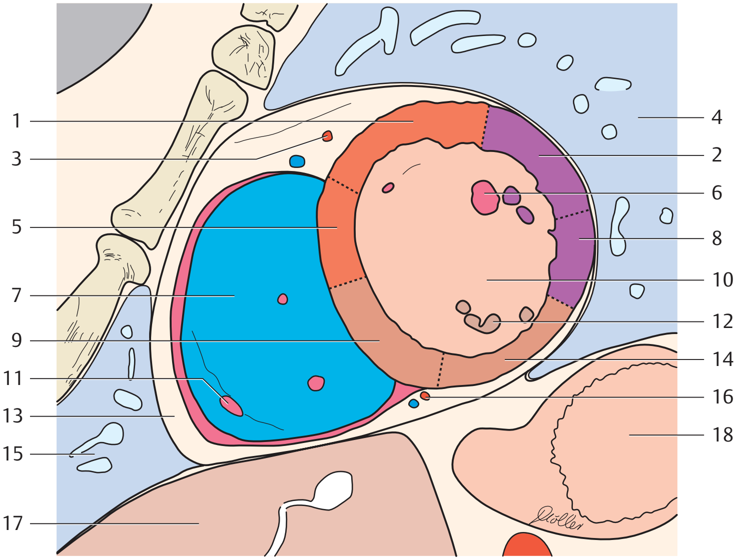




½
½



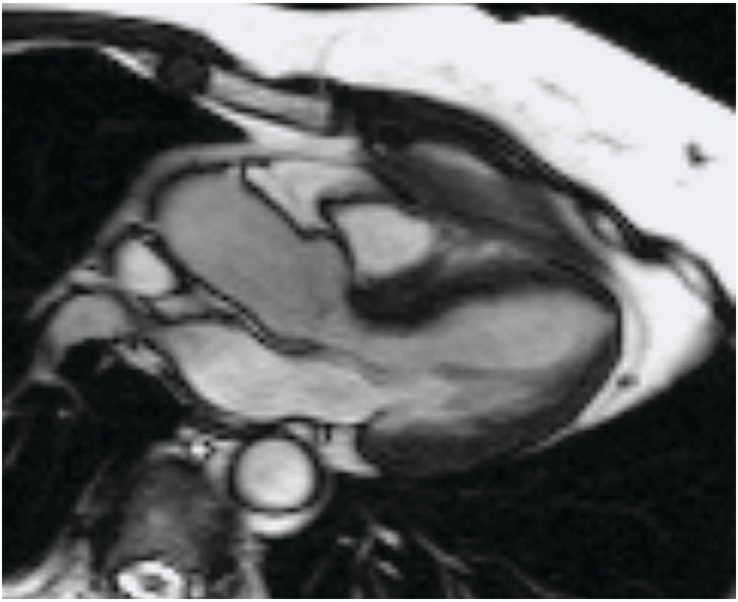
½
½

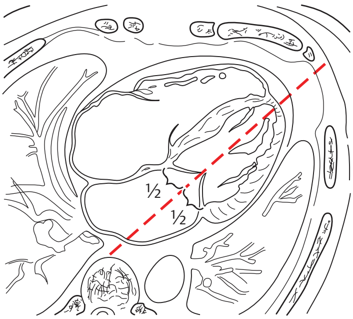


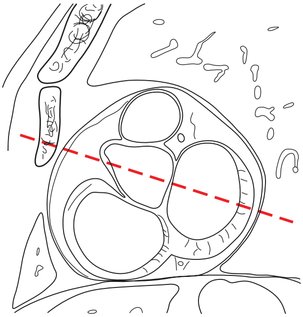
1. Ventricular myocardium (anterior segment)
2. Ventricular myocardium (anterolateral segment)
3. Anterior interventricular branch of left coronary artery
4. Left lung
5. Interventricular septum (anteroseptal segment)
6. Anterior papillary muscle
7. Right ventricle
8. Ventricular myocardium (inferolateral segment)
9. Interventricular septum (inferoseptal segment)
10. Left ventricle
11. Trabeculae carneae (in right ventricle)
12. Posterior papillary muscle
13. Epicardial fatty tissue
14. Ventricular myocardium (inferior segment)
15. Right lung
16. Posterior interventricular branch of right coronary artery
17. Liver
18. Stomach

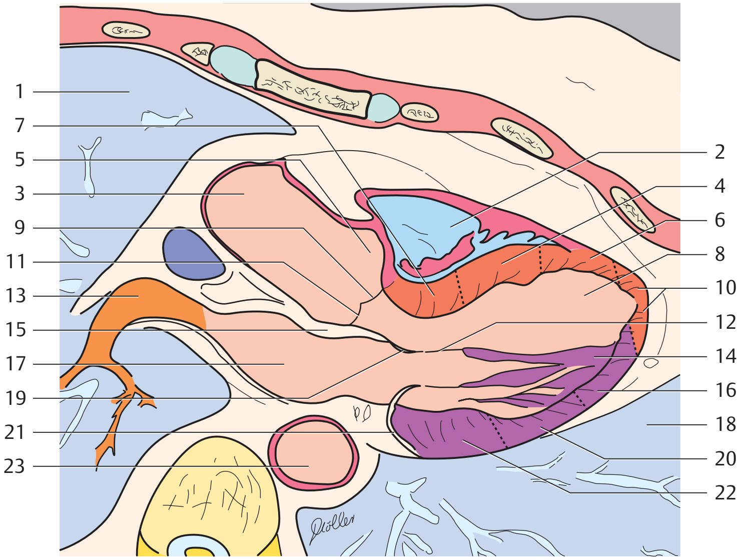
Coronary vascular territories

🟥 Left anterior descending artery (LAD)
🟧 Right coronary artery (RCA)
🟪 Left circumflex artery (LCX)




½
½



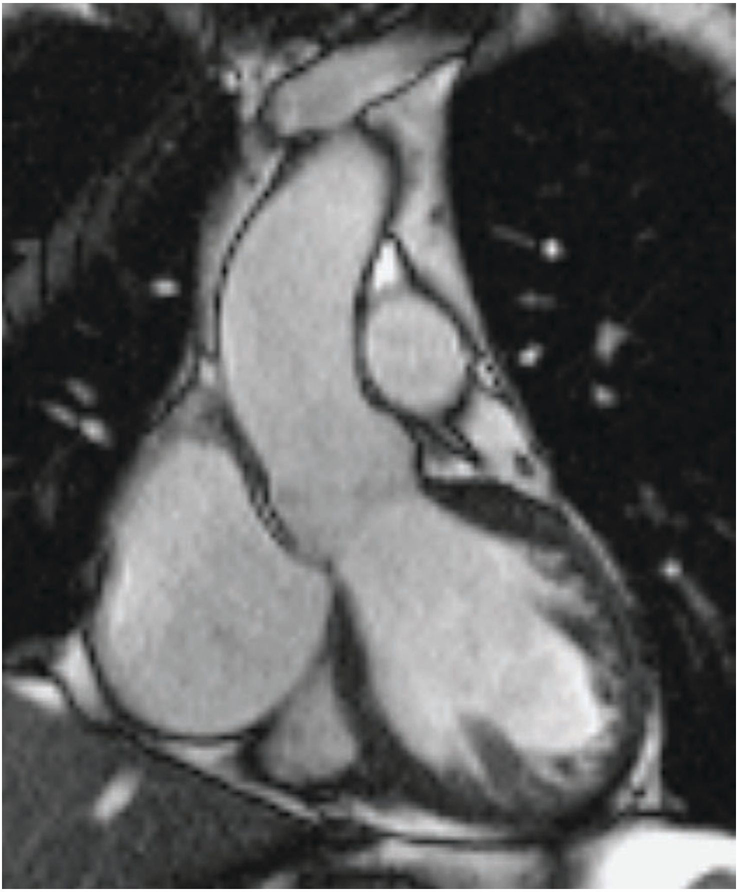


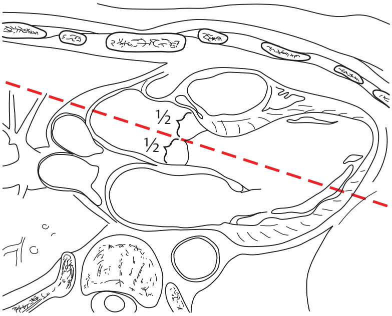
1. Right lung
2. Right ventricle
3. Ascending aorta
4. Interventricular septum (medial anteroseptal segment)
5. Aortic bulb
6. Interventricular septum (apical septal segment)
7. Interventricular septum (basal anteroseptal segment)
8. Left ventricle
9. Aortic valve, right semilunar cusp
10. Apex of heart
11. Aortic valve, left semilunar cusp
12. Tendinous cords
13. Right pulmonary vein
14. Papillary muscle
15. Atrioventricular septum
16. Ventricular myocardium (lateral apical segment)
17. Left atrium
18. Left lung
19. Left atrioventricular valve (mitral valve), anterior cusp
20. Ventricular myocardium (medial inferolateral segment)
21. Left atrioventricular valve (mitral valve), posterior cusp
22. Septum (basal inferoseptal segment)
23. Descending aorta

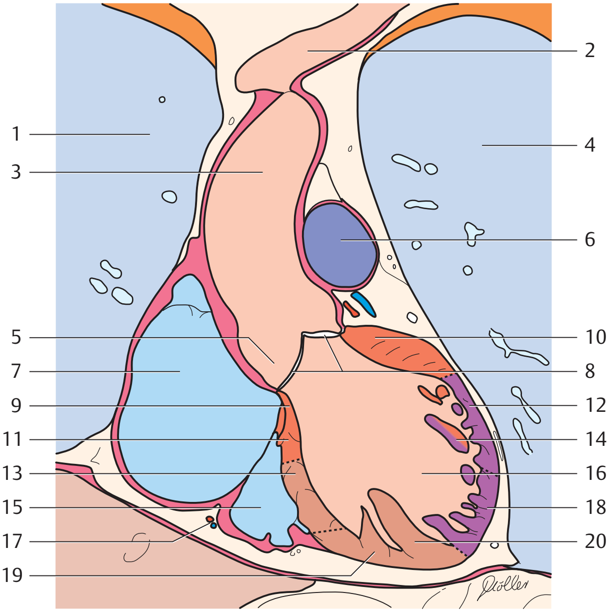
Coronary vascular territories

🟧 Left anterior descending artery (LAD)

🟪 Left circumflex artery (LCX)



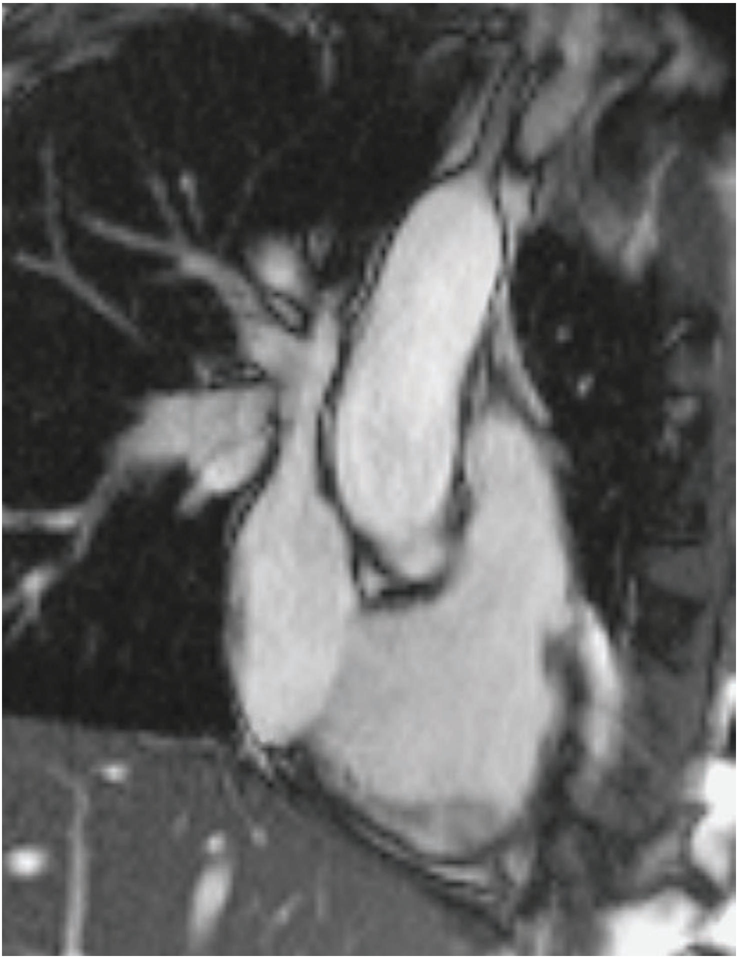

½
½

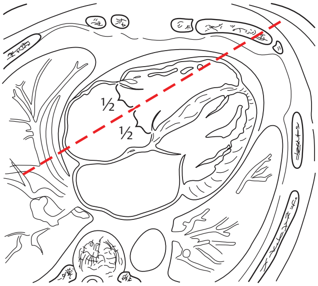


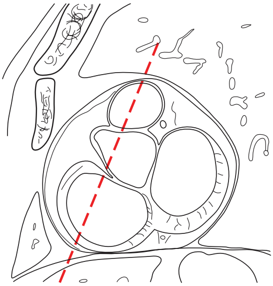
1. Right lung
2. Brachiocephalic trunk
3. Ascending aorta
4. Left lung
5. Aortic bulb
6. Pulmonary artery
7. Right atrium
8. Aortic valve
9. Atrioventricular septum
10. Ventricular myocardium (anterior segment)
11. Interventricular septum (anteroseptal segment)
12. Ventricular myocardium (anterolateral segment)
13. Interventricular septum (inferoseptal segment)
14. Anterior papillary muscle
15. Right ventricle
16. Left ventricle
17. Right coronary artery
18. Ventricular myocardium (inferolateral segment, base of heart)
19. Ventricular myocardium (inferior segment)
20. Posterior papillary muscle

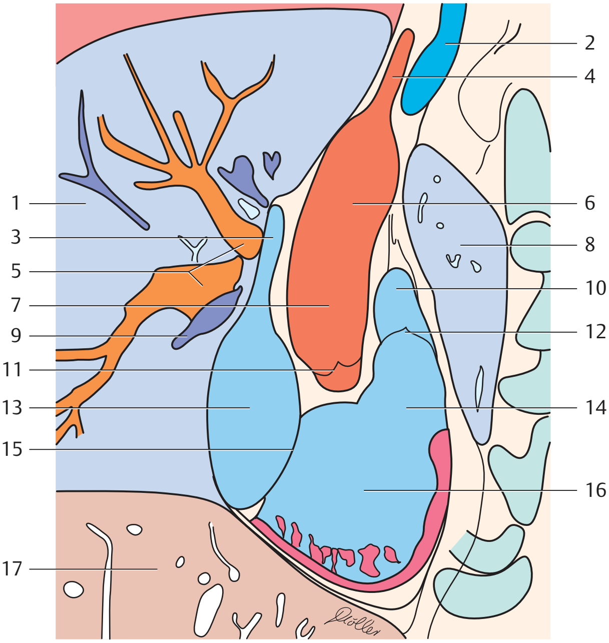
Coronary vascular territories

🟥 Left anterior descending artery (LAD)
🟫 Right coronary artery (RCA)
🟪 Left circumflex artery (LCX)

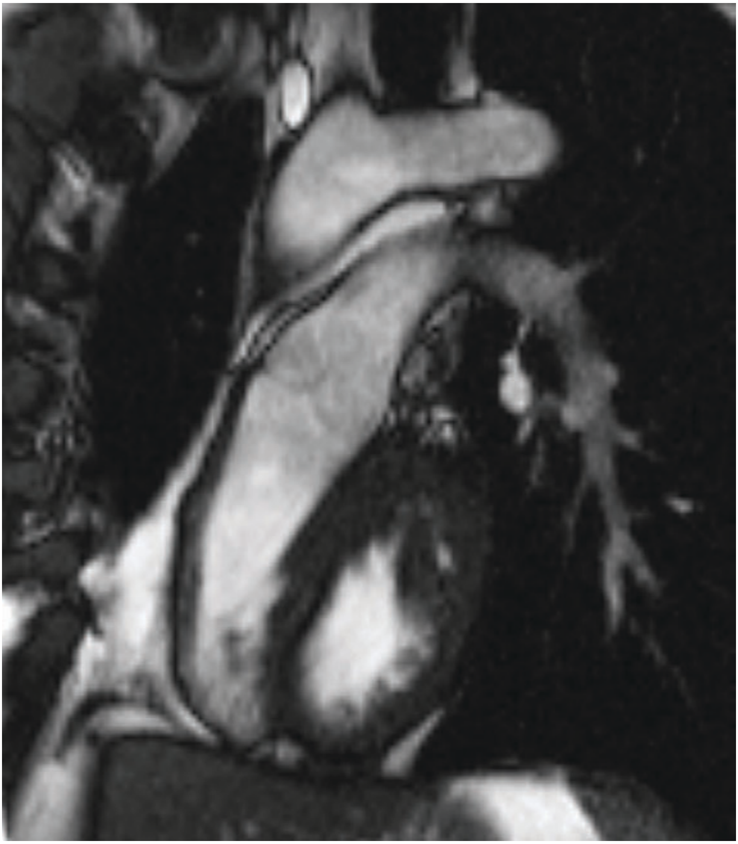


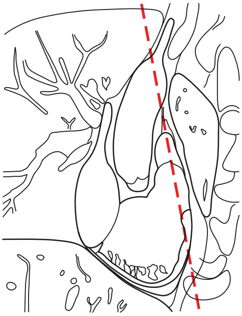

½
½

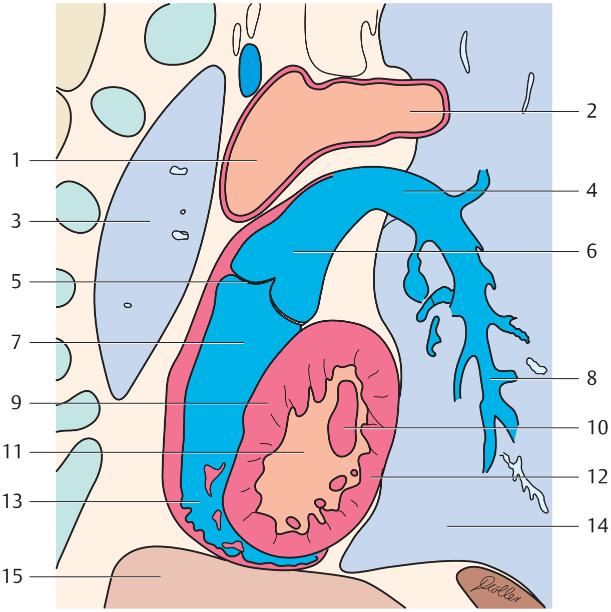




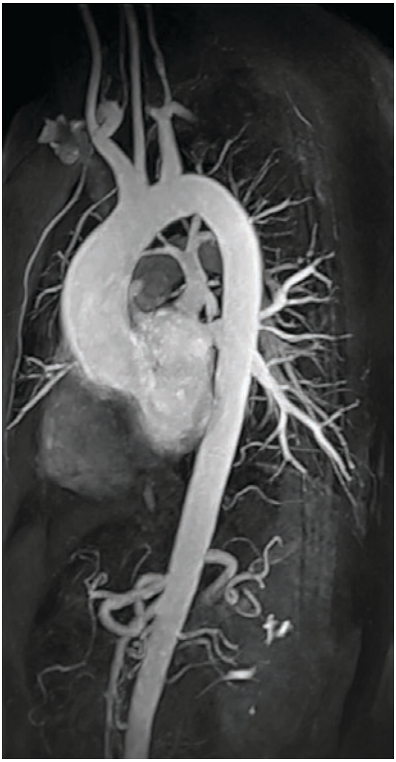
1. Left lung
2. Right brachiocephalic vein
3. Superior vena cava
4. Brachiocephalic trunk
5. Right pulmonary veins
6. Ascending aorta
7. Aortic bulb
8. Right lung
9. Left pulmonary artery
10. Pulmonary trunk
11. Aortic valve
12. Pulmonary valve
13. Right atrium
14. Right ventricular outflow tract
15. Right atrioventricular valve (tricuspid valve)
16. Right ventricle
17. Liver

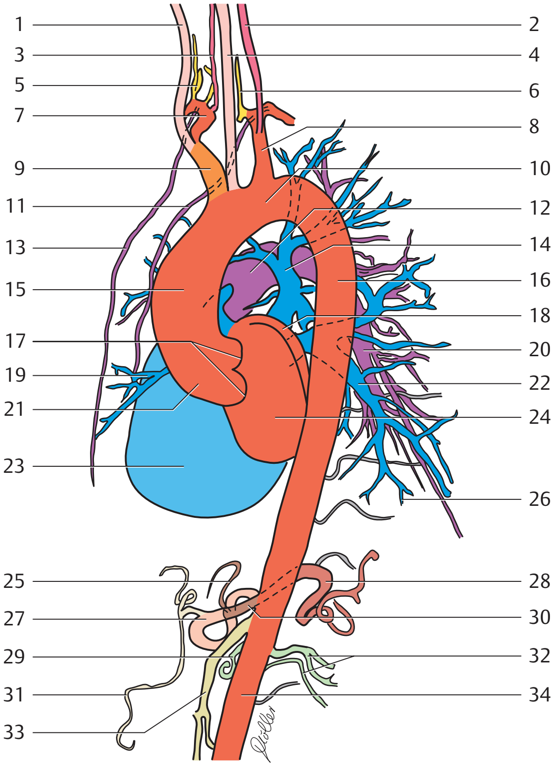




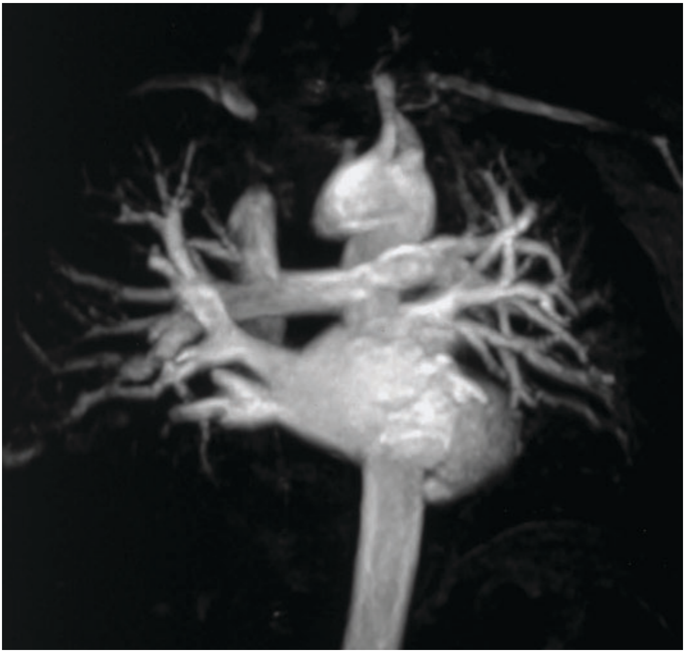


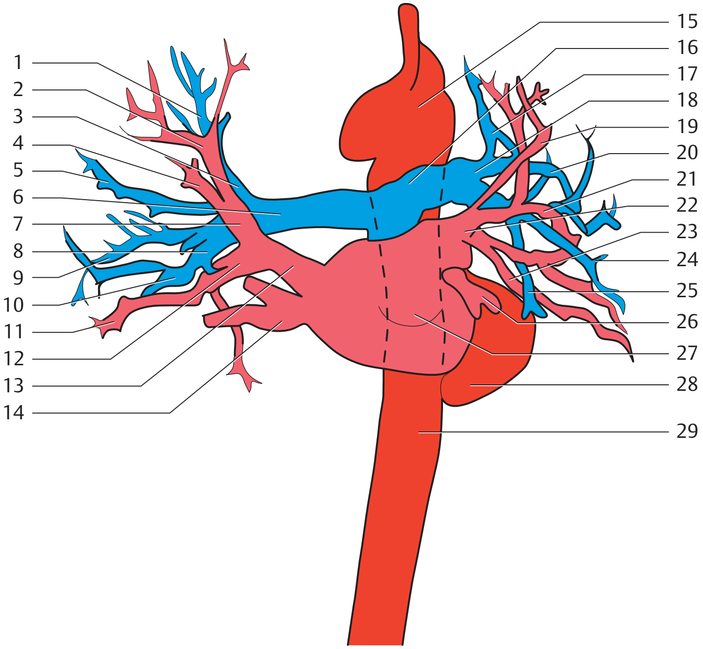
1. Ascending aorta
2. Aortic arch
3. Right lung
4. Left pulmonary artery
5. Pulmonary valve
6. Pulmonary trunk
7. Right ventricular outflow tract
8. Basal segmental arteries of inferior lobar arteries of left pulmonary artery
9. Interventricular septum
10. Papillary muscle
11. Left ventricle
12. Ventricular myocardium (posterior wall)
13. Right ventricle
14. Left lung
15. Liver



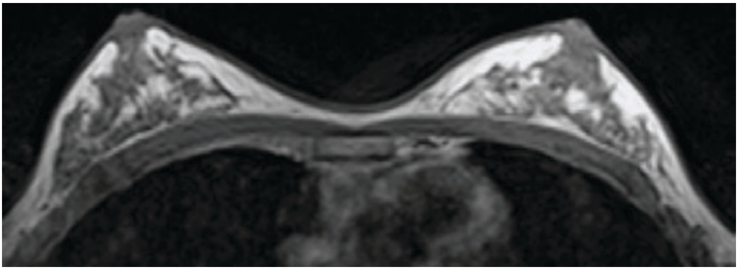


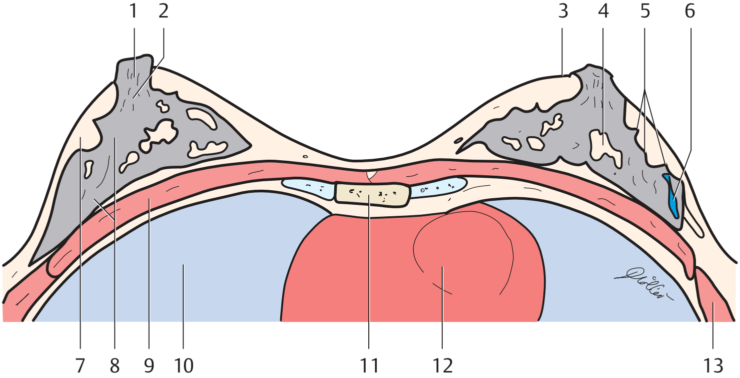
1. Right common carotid artery
2. Left vertebral artery
3. Right vertebral artery
4. Left common carotid artery
5. Right deep cervical artery
6. Inferior thyroid artery
7. Right subclavian artery
8. Left subclavian artery
9. Brachiocephalic trunk
10. Aortic arch
11. Left internal thoracic artery
12. Pulmonary trunk
13. Right internal thoracic artery
14. Left superior pulmonary vein
15. Ascending aorta
16. Descending aorta
17. Aortic valve
18. Left atrium
19. Right inferior pulmonary vein
20. Left pulmonary artery (inferior lobar arteries)
21. Aortic bulb
22. Left inferior pulmonary vein
23. Right ventricle
24. Left ventricle
25. Left gastric artery
26. Lumbar arteries
27. Common hepatic artery
28. Splenic artery
29. Right renal artery
30. Celiac trunk
31. Gastroduodenal artery
32. Left renal artery (variant: double renal artery)
33. Superior mesenteric artery
34. Abdominal aorta



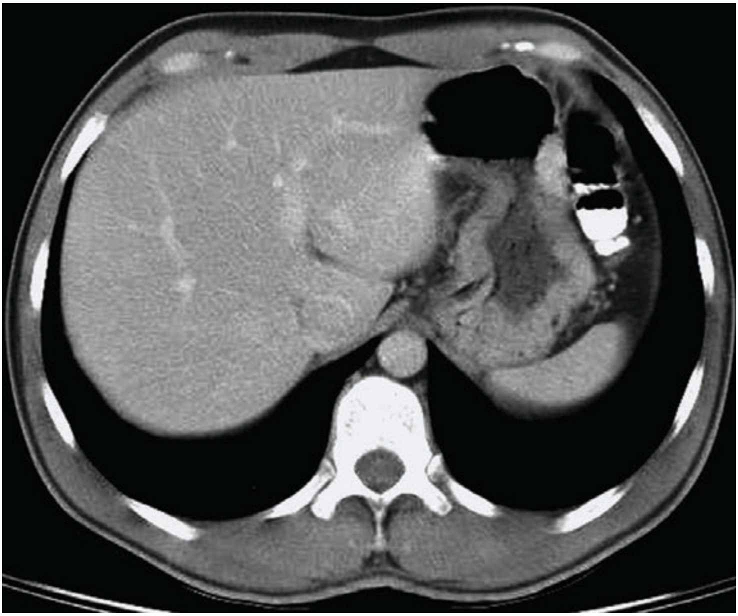


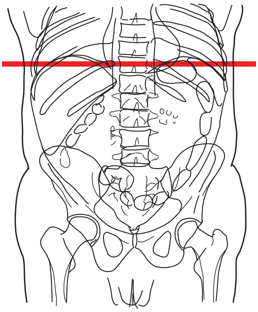
1. Apical branch to the superior lobe of the right pulmonary artery
2. Apical branch of the superior right pulmonary vein
3. Ascending branch of the right pulmonary artery
4. Posterior branch of the superior right pulmonary vein
5. Posterior branch to the superior lobe of the right pulmonary artery
6. Right pulmonary artery
7. Anterior branch of the right superior pulmonary vein
8. Basal part of the right pulmonary artery
9. Superior branch to the inferior lobe of the right pulmonary artery
10. Anterior basal branch of the right pulmonary artery
11. Middle lobe branch of the right pulmonary vein
12. Medial part of the middle lobe branch of the right pulmonary vein
13. Superior right pulmonary vein
14. Inferior right pulmonary vein
15. Arch of aorta
16. Pulmonary trunk
17. Branches to upper lobe of the left pulmonary artery
18. Left pulmonary artery
19. Apicoposterior branch of the left superior pulmonary vein
20. Lingular branch of the left pulmonary artery
21. Anterior branch of the left superior pulmonary vein
22. Left superior pulmonary vein
23. Lingular branch of the left superior pulmonary vein
24. Lateral basal branch of the left pulmonary artery
25. Posterior basal branch of the left pulmonary artery
26. Left inferior pulmonary vein
27. Left atrium
28. Left ventricle
29. Descending aorta

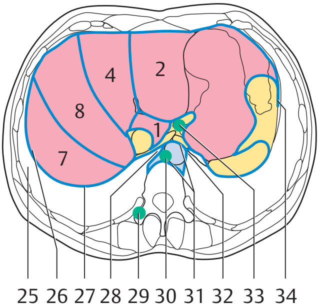




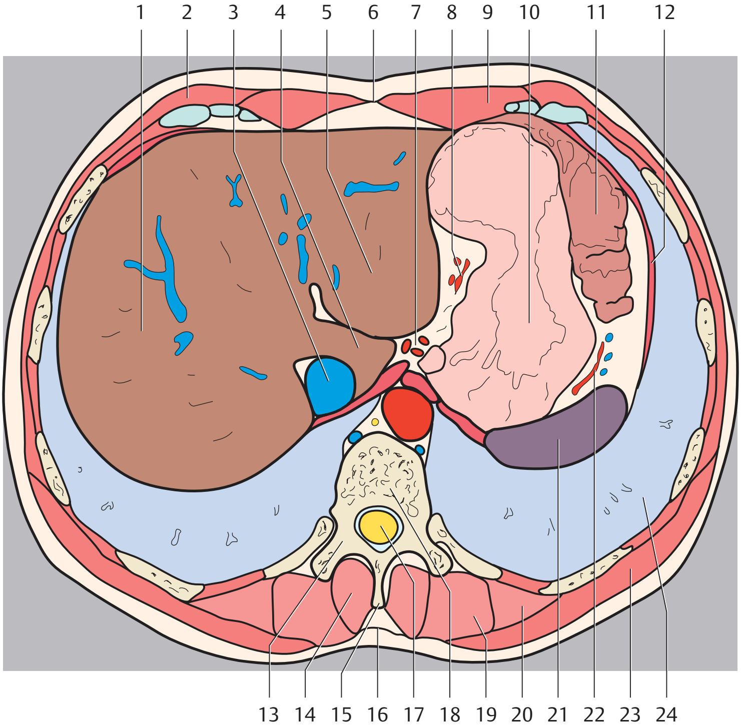
1. Nipple
2. Mammary ducts and areolar ducts
3. Skin
4. Fatty island
5. Cooper's ligaments
6. Vein
7. Subcutaneous fat
8. Glandular body
9. Pectoralis muscle
10. Right lung
11. Sternum
12. Heart
13. Anterior serratus muscle



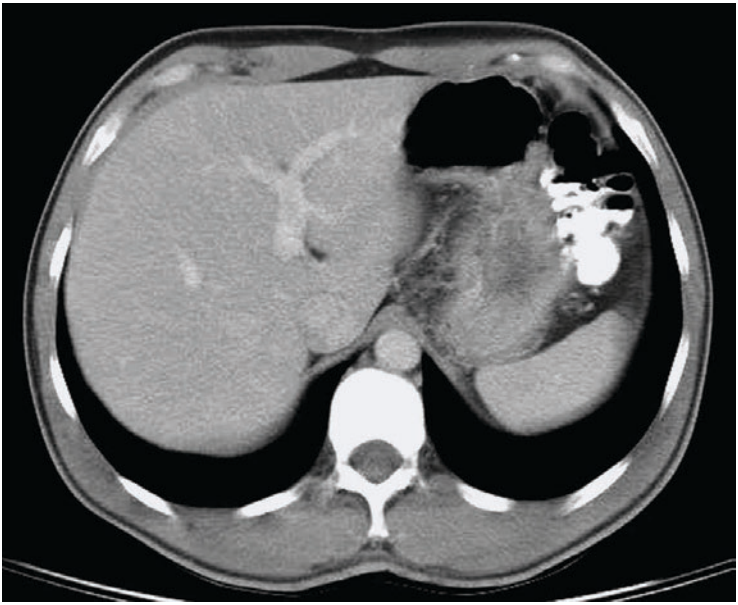


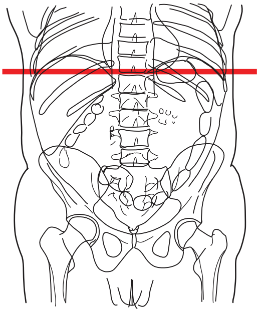

4
2
8
1
7
25 26 27 28 29 30 31 32 33 34

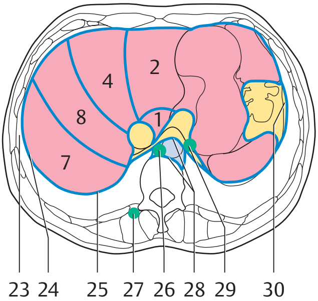
(Numbers indicate liver segments)



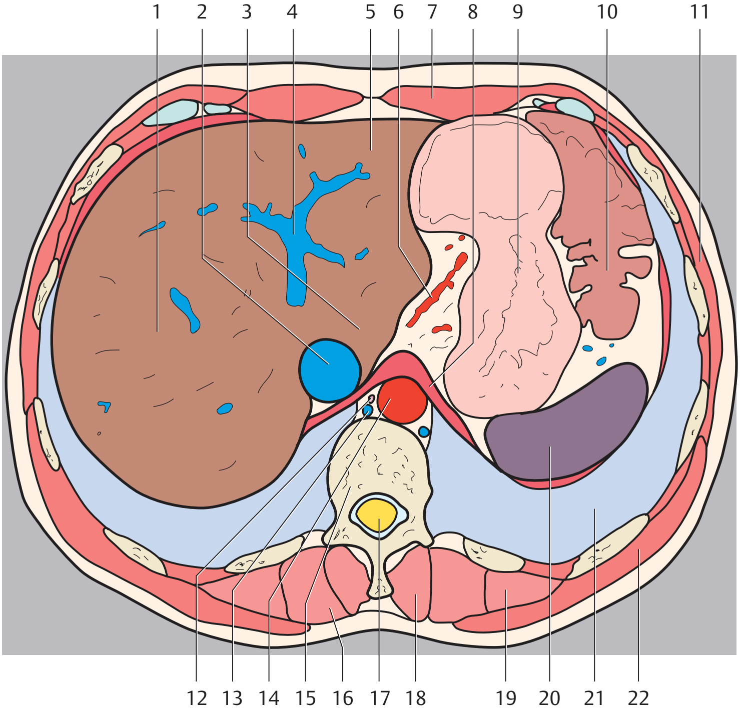
1. Right lobe of liver
2. External oblique muscle
3. Inferior vena cava
4. Caudate lobe of liver
5. Left lobe of liver
6. Linea alba
7. Coeliac trunk
8. Left gastric artery
9. Rectus abdominis muscle
10. Stomach
11. Left colic flexure
12. Diaphragm
13. Vertebral arch
14. Spinalis muscle
15. Spinous process
16. Thoracolumbar fascia
17. Spinal canal and spinal cord
18. Thoracic vertebra
19. Longissimus thoracis muscle
20. Iliocostalis muscle, thoracic part
21. Spleen
22. Gastroepiploic artery
23. Latissimus dorsi muscle
24. Left lung
25. Costodiaphragmatic recess
26. Right subphrenic recess
27. Bare area of liver
28. Ostium cardiacum
29. Intercostal lymph nodes
30. Superior phrenic lymph nodes
31. Posterior mediastinum
32. Cardiac notch
33. Inferior phrenic lymph nodes
34. Left paracolic gutter



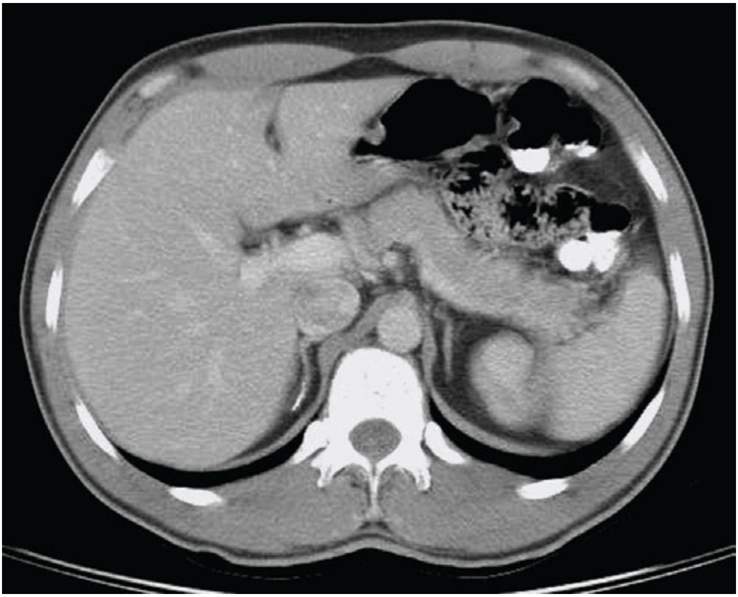


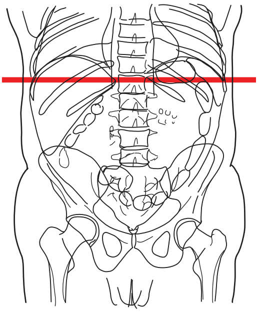

2
4
8
1
7
23
24
25
27
26
28
29
30

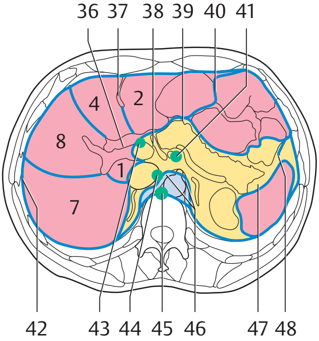
(Numbers indicate liver segments)



1. Right lobe of liver
2. Inferior vena cava
3. Caudate lobe of liver
4. Hepatic portal vein
5. Left lobe of liver
6. Left gastric artery
7. Rectus abdominis muscle
8. Diaphragm
9. Stomach
10. Left colic flexure
11. External oblique muscle
12. Thoracic duct
13. Azygos vein
14. Abdominal aorta
15. Thoracic vertebra
16. Longissimus thoracis muscle
17. Vertebral canal and spinal cord
18. Spinalis muscle
19. Iliocostalis muscle, thoracic part
20. Spleen
21. Left lung
22. Latissimus dorsi muscle
23. Costodiaphragmatic recess
24. Right subphrenic recess
25. Bare area of liver
26. Superior phrenic lymph nodes
27. Intercostal lymph nodes
28. Posterior mediastinum
29. Inferior phrenic lymph nodes
30. Left paracolic gutter

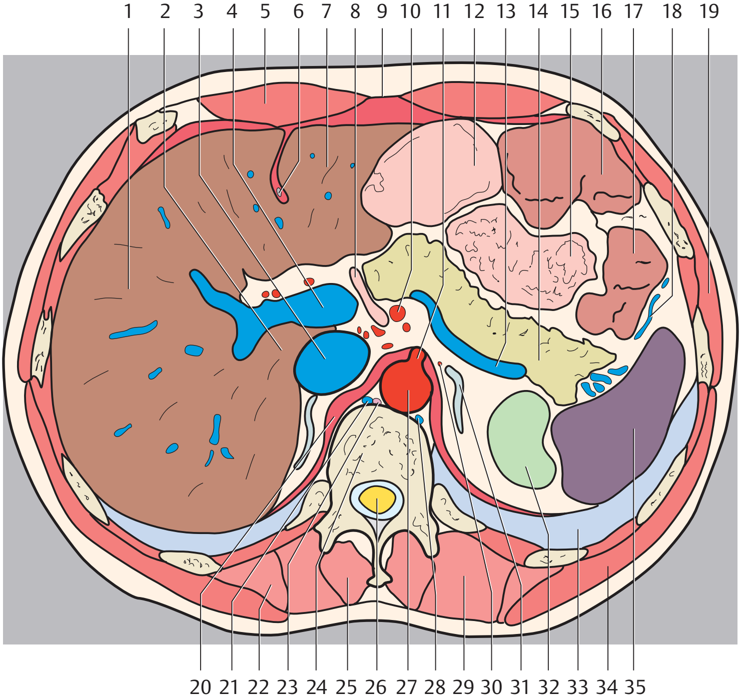




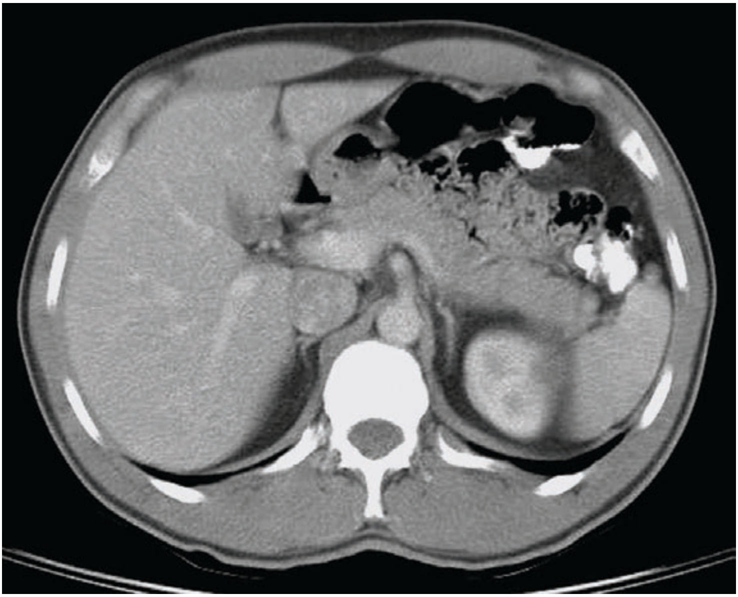

36
37
38
39
40
41
4
2
8
1
7
42
43
44
45
46
47
48

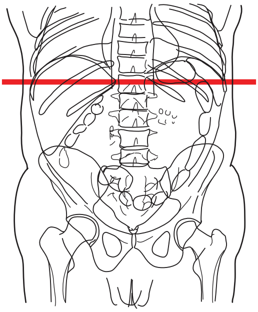
(Numbers indicate liver segments)

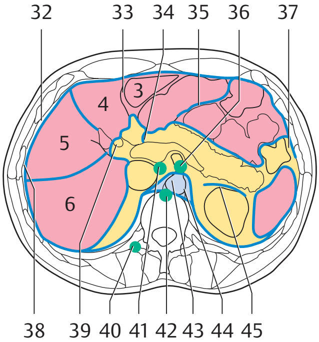
1. Liver (right lobe)
2. Caudate lobe of liver
3. Inferior vena cava
4. Hepatic portal vein
5. Rectus abdominis muscle
6. Round ligament of liver
7. Left lobe of liver
8. Duodenum (descending part)
9. Linea alba
10. Superior mesenteric artery



11. Celiac trunk
12. Stomach
13. Splenic vein
14. Pancreas
15. Jejunum
16. Transverse colon
17. Descending colon
18. Left colic vein
19. External oblique muscle
20. Diaphragm
21. Azygos vein
22. Iliocostalis muscle, thoracic part
23. Thoracic duct
24. Thoracic vertebra
25. Spinalis muscle
26. Vertebral canal and spinal cord
27. Abdominal aorta
28. Hemiazygos vein
29. Longissimus thoracis muscle
30. Suprarenal artery
31. Left adrenal gland
32. Left kidney
33. Left lung
34. Latissimus dorsi muscle
35. Spleen
36. Hilum of liver
37. Notch for round ligament
38. Hepatoduodenal ligament
39. Epiploic foramen
40. Omental bursa/Greater omentum
41. Pancreatic lymph nodes
42. Right subphrenic recess
43. Hepatic lymph nodes
44. Lumbar lymph nodes
45. Superior phrenic lymph nodes
46. Posterior mediastinum
47. Hilum of spleen
48. Left paracolic gutter

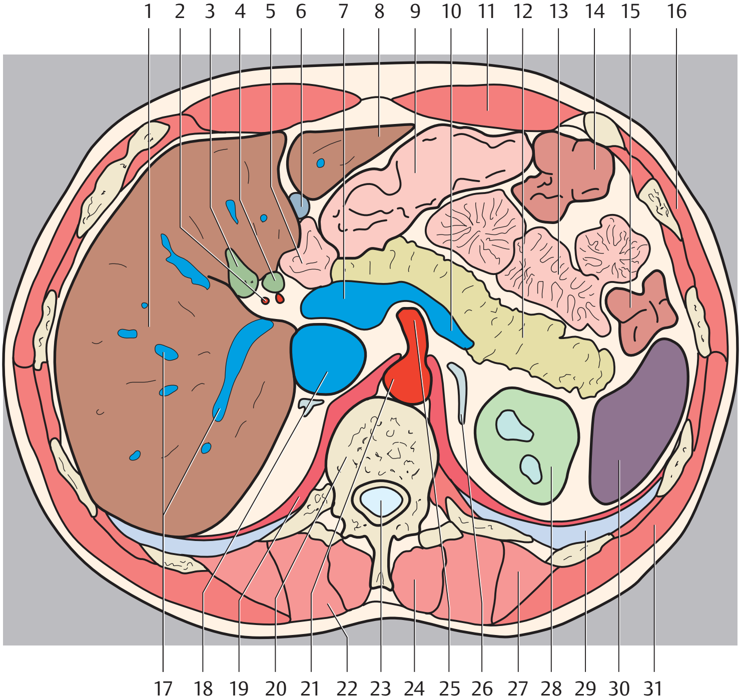




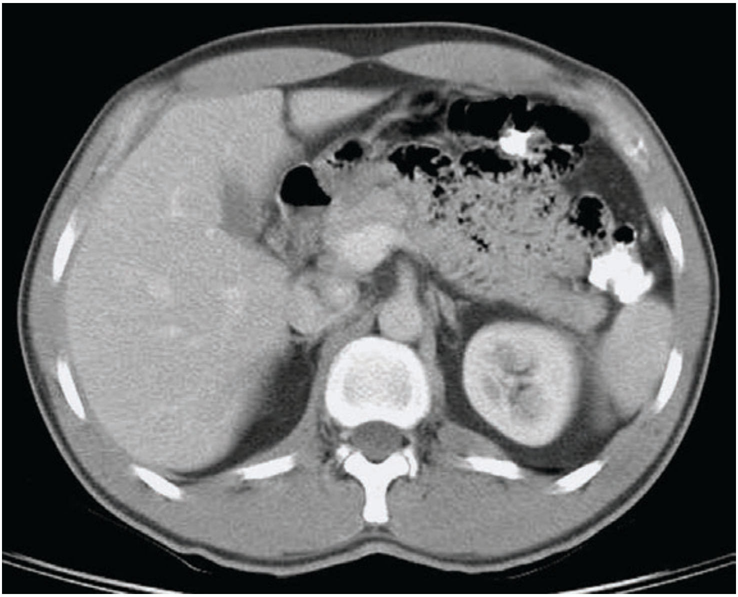

32
33
34
35
36
37
3
4
5
6
38
39
40
41
42
43
44
45

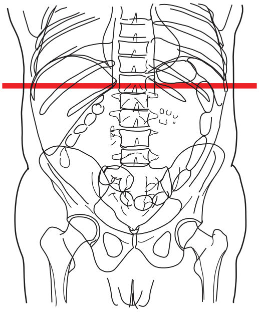
(Numbers indicate liver segments)

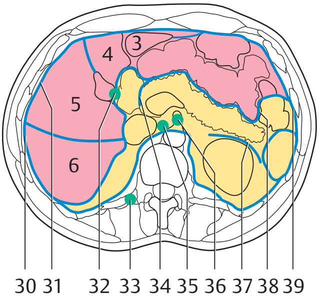
1. Right lobe of liver
2. Hepatic artery
3. Gallbladder
4. Bile duct
5. Duodenum (superior part)
6. Round ligament of liver



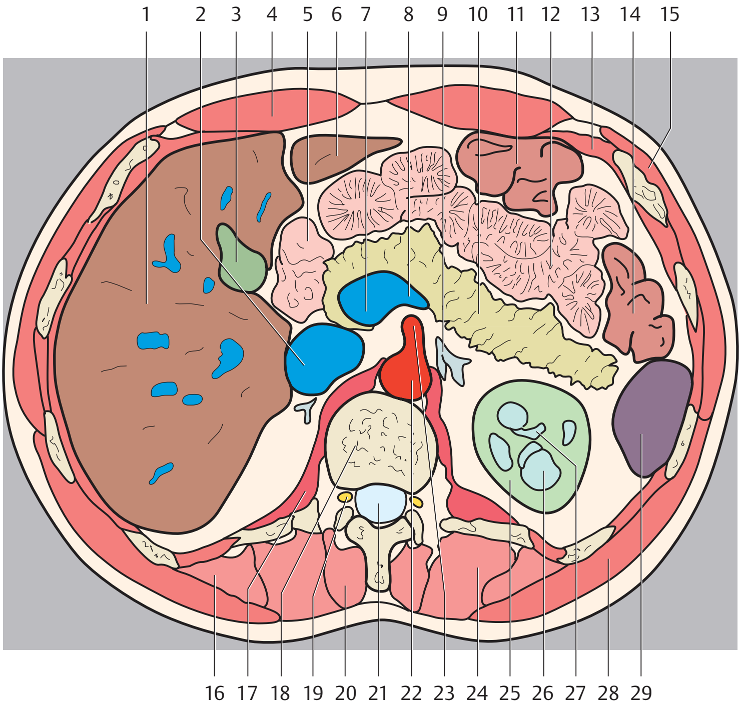
7. Hepatic portal vein
8. Left lobe of liver
9. Stomach
10. Splenic vein
11. Rectus abdominis muscle
12. Pancreas (tail)
13. Jejunum
14. Transverse colon
15. Descending colon
16. External oblique muscle
17. Hepatic portal vein
18. Inferior vena cava
19. Diaphragm
20. Thoracic vertebra
21. Abdominal aorta
22. Longissimus thoracis muscle
23. Vertebral canal
24. Spinalis muscle
25. Superior mesenteric artery
26. Left suprarenal gland
27. Iliocostalis muscle, thoracic part
28. Left kidney
29. Left lung
30. Spleen
31. Latissimus dorsi muscle
32. Right subphrenic recess
33. Notch for round ligament
34. Superior duodenal recess
35. Greater omentum
36. Superior mesenteric lymph nodes
37. Left paracolic gutter
38. Costodiaphragmatic recess
39. Hilum of liver
40. Intercostal lymph nodes
41. Lumbar lymph nodes
42. Superior phrenic lymph nodes
43. Aortic hiatus
44. Posterior mediastinum
45. Renal fascia



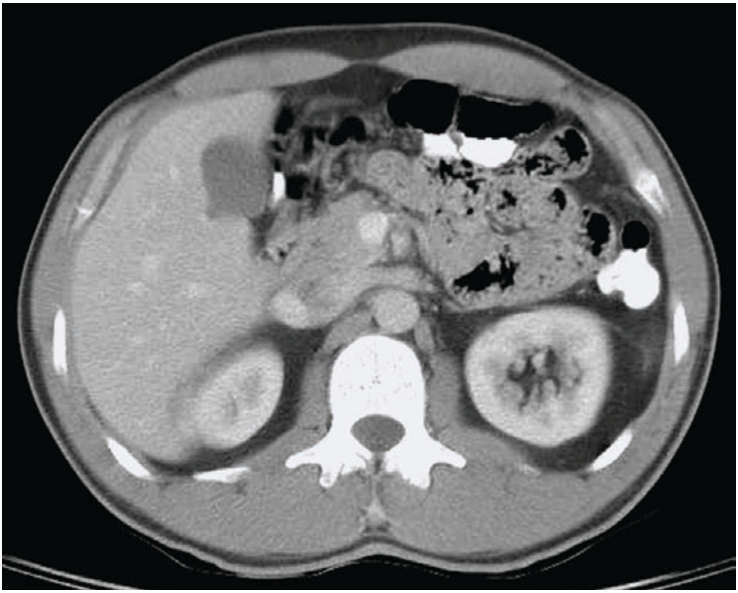


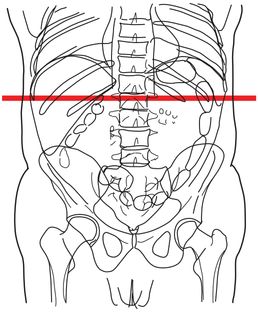

3
4
5
6
30
31
32
33
34
35
36
37
38
39

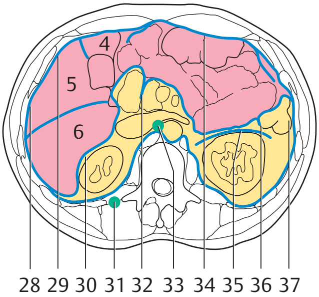
(Numbers indicate liver segments)



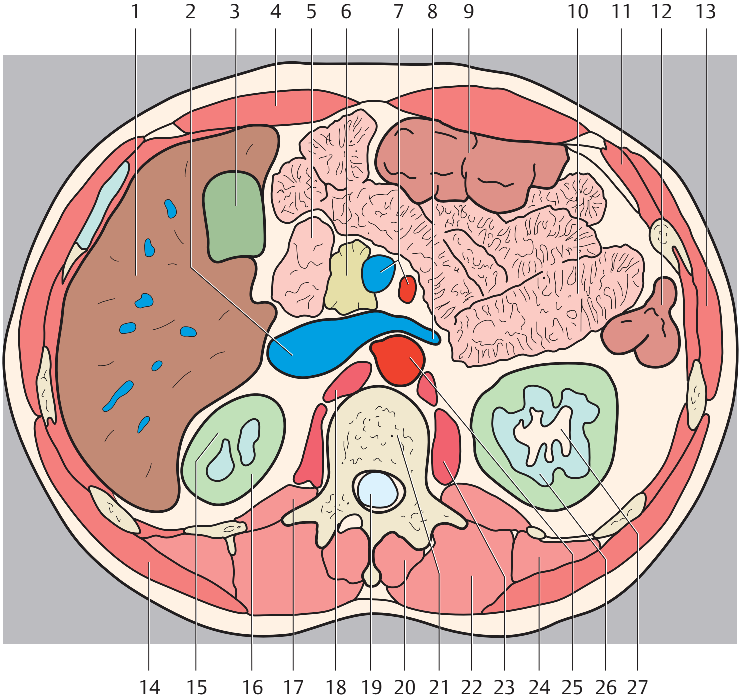
1. Liver (right lobe)
2. Inferior vena cava
3. Gallbladder
4. Rectus abdominis muscle
5. Duodenum (descending part)
6. Liver (left lobe)
7. Hepatic portal vein
8. Splenic vein
9. Left adrenal gland
10. Pancreas (body)
11. Transverse colon
12. Jejunum
13. Internal oblique muscle
14. Descending colon
15. External oblique muscle
16. Iliocostalis muscle, thoracic part
17. Diaphragm
18. Thoracic vertebra
19. Spinal nerve
20. Spinalis muscle
21. Vertebral canal
22. Abdominal aorta
23. Superior mesenteric artery
24. Longissimus thoracis muscle
25. Left kidney
26. Renal pyramids
27. Renal sinus
28. Latissimus dorsi muscle
29. Spleen
30. Costodiaphragmatic recess
31. Subphrenic recess
32. Cystic lymph nodes
33. Intercostal lymph nodes
34. Vestibule of omental bursa
35. Lumbar lymph nodes
36. Superior mesenteric lymph nodes
37. Renal fascia
38. Left paracolic gutter
39. Left paracolic gutter



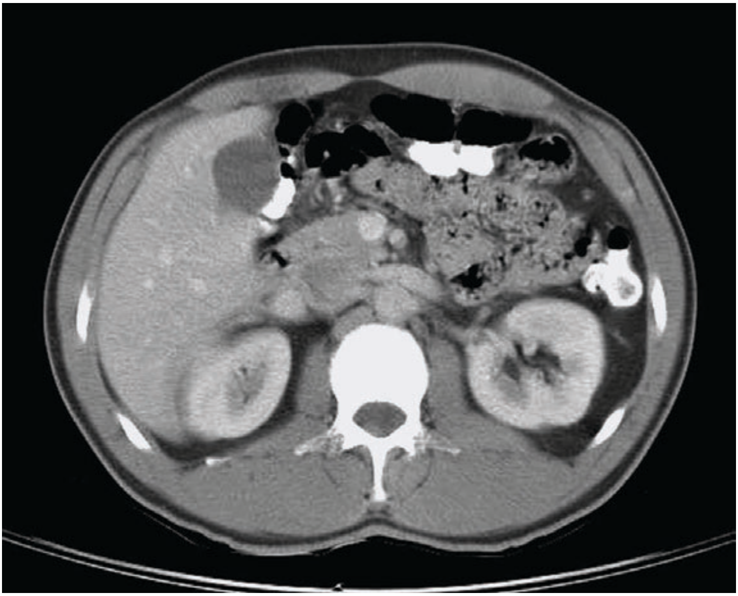


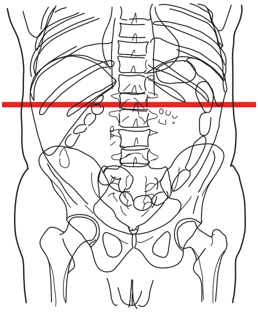

4
5
6
28
29
30
31
32
33
34
35
36
37

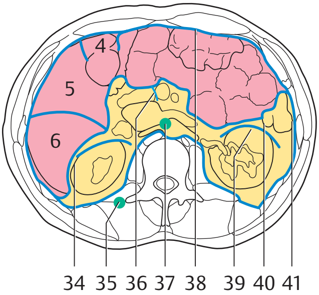
(Numbers indicate liver segments)



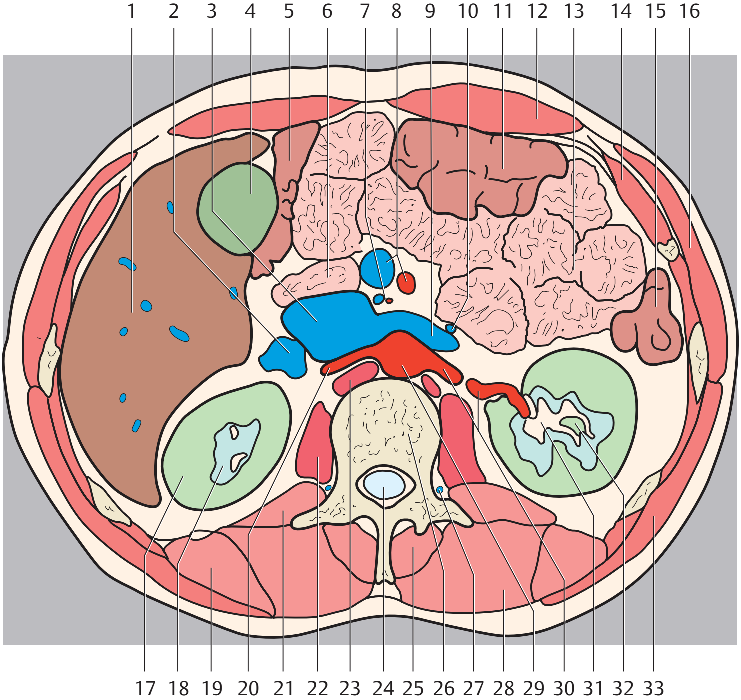
1. Liver
2. Inferior vena cava
3. Gallbladder
4. Rectus abdominis muscle
5. Duodenum (descending part)
6. Pancreas (head)
7. Superior mesenteric artery and vein
8. Left renal vein
9. Transverse colon
10. Jejunum
11. Internal oblique muscle
12. Descending colon
13. External oblique muscle
14. Latissimus dorsi muscle
15. Renal cortex
16. Right kidney
17. Quadratus lumborum muscle
18. Diaphragm
19. Vertebral canal
20. Spinalis muscle
21. Thoracic vertebra
22. Longissimus thoracis muscle
23. Psoas major muscle
24. Iliocostalis muscle, thoracic part
25. Abdominal aorta
26. Renal pyramids
27. Renal sinus
28. Costodiaphragmatic recess
29. Subphrenic recess
30. Hepatorenal recess
31. Intercostal lymph nodes
32. Inferior duodenal recess
33. Lumbar lymph nodes
34. Greater omentum, omental bursa (inferior recess)
35. Renal fascia
36. Left mesentericocolic gutter
37. Left paracolic gutter



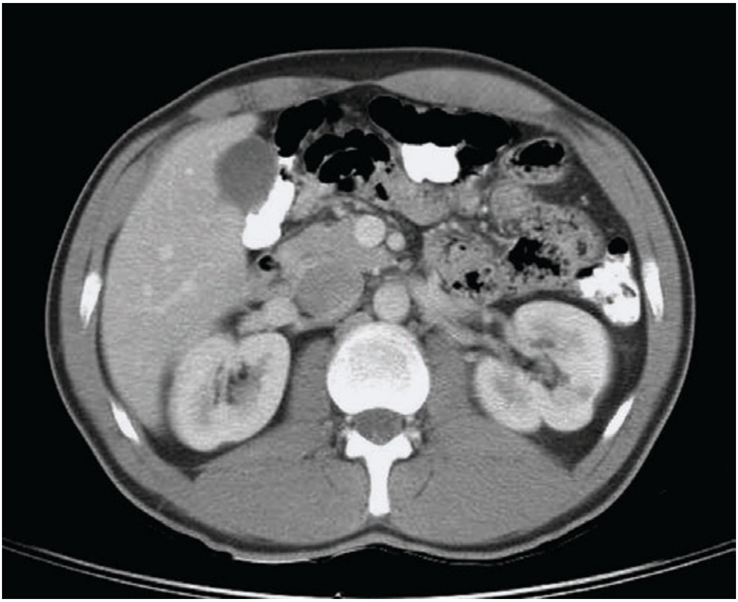


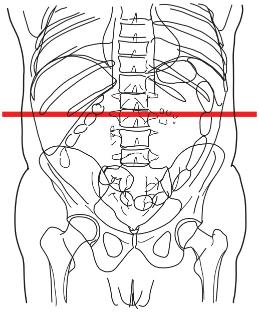

4
5
6
34
35
36
37
38
39
40
41

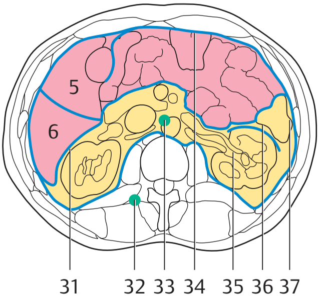
(Numbers indicate liver segments)



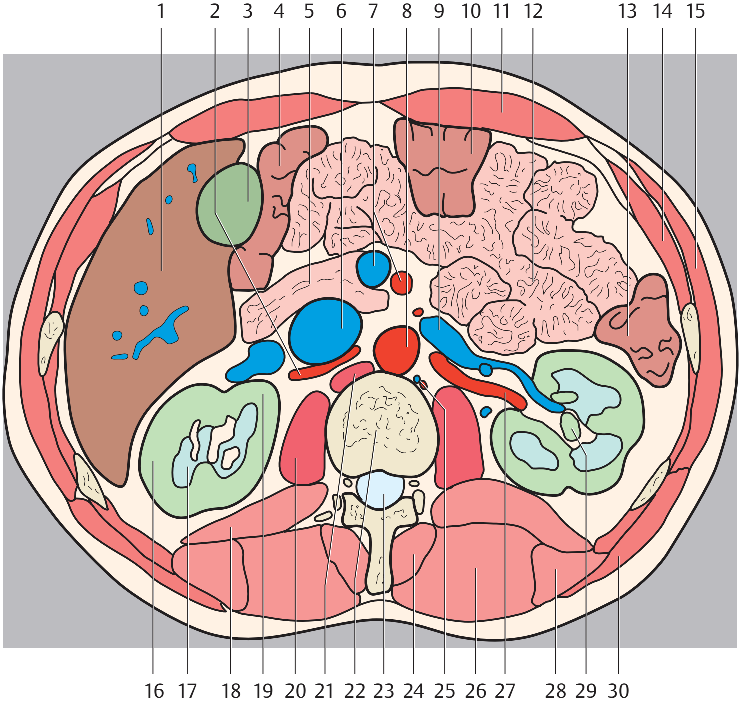
1. Liver
2. Right renal vein
3. Inferior vena cava
4. Gallbladder
5. Right colic flexure
6. Duodenum
7. Inferior pancreaticoduodenal artery and vein
8. Superior mesenteric artery and vein
9. Left renal vein
10. Inferior mesenteric vein
11. Transverse colon
12. Rectus abdominis muscle
13. Jejunum
14. Internal oblique muscle
15. Descending colon
16. External oblique muscle
17. Right kidney
18. Renal pyramids
19. Iliocostalis muscle, thoracic part
20. Right renal artery
21. Quadratus lumborum muscle
22. Psoas major muscle
23. Diaphragm
24. Vertebral canal
25. Spinalis muscle
26. Thoracic vertebra
27. Ascending lumbar vein
28. Longissimus thoracis muscle
29. Abdominal aorta
30. Left renal artery
31. Renal sinus
32. Renal calices
33. Latissimus dorsi muscle
34. Hepatorenal recess
35. Intercostal lymph nodes
36. Inferior duodenal recess
37. Lumbar lymph nodes
38. Greater omentum
39. Renal fascia
40. Left mesentericocolic gutter
41. Left paracolic gutter



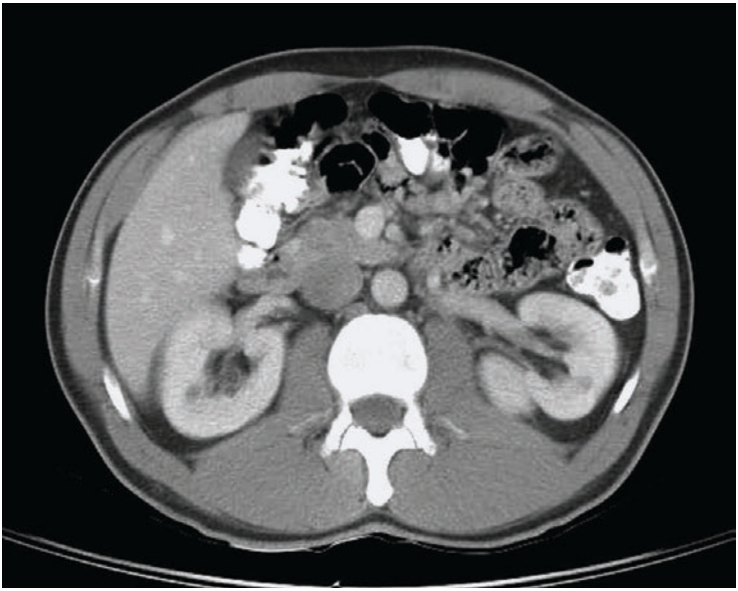


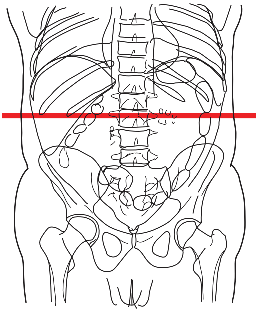

5
6
31
32
33
34
35
36
37

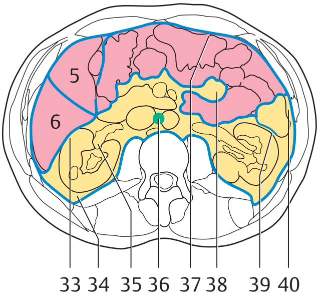
(Numbers indicate liver segments)



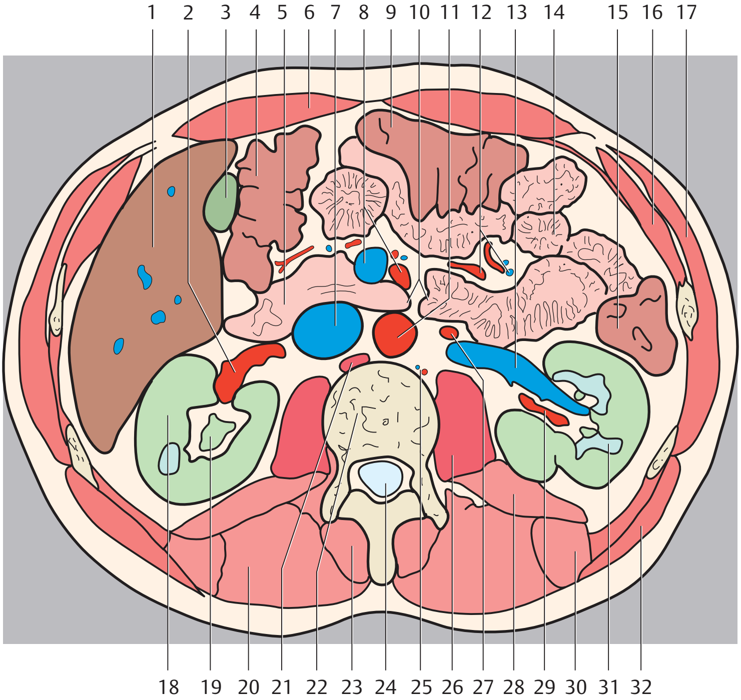
1. Liver
2. Right renal artery
3. Gallbladder
4. Right colic flexure
5. Doudenum
6. Inferior vena cava
7. Superior mesenteric artery and vein
8. Abdominal aorta
9. Left renal vein
10. Transverse colon
11. Rectus abdominis muscle
12. Jejunum
13. Descending colon
14. Internal oblique muscle
15. External oblique muscle
16. Right kidney
17. Renal pyramids
18. Quadratus lumborum muscle
19. Renal cortex
20. Psoas major muscle
21. Diaphragm
22. Thoracic vertebra
23. Vertebral canal
24. Spinalis muscle
25. Lumbar artery and vein
26. Longissimus thoracis muscle
27. Left renal artery
28. Iliocostalis muscle
29. Renal pelvis
30. Latissimus dorsi muscle
31. Hepatorenal recess
32. Intercostal lymph nodes
33. Lumbar lymph nodes
34. Greater omentum
35. Renal hilum
36. Left mesentericocolic gutter
37. Left paracolic gutter



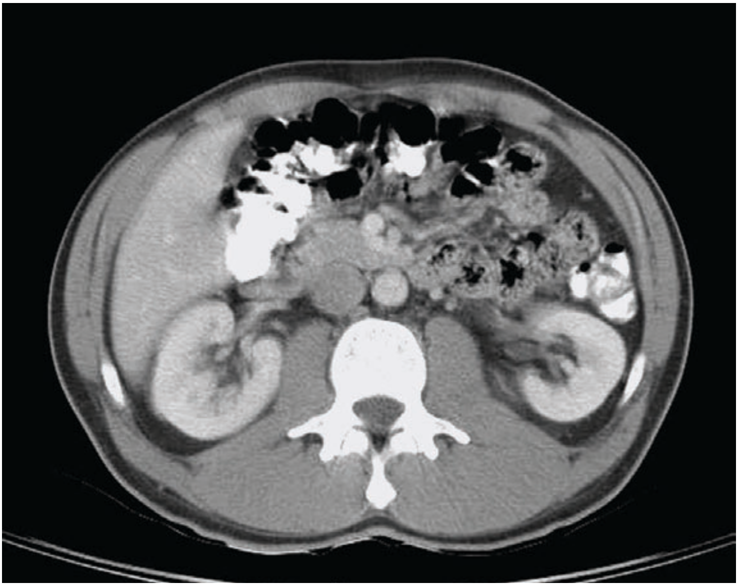


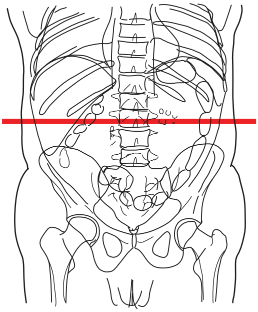

5
6
33
34
35
36
37
38
39
40

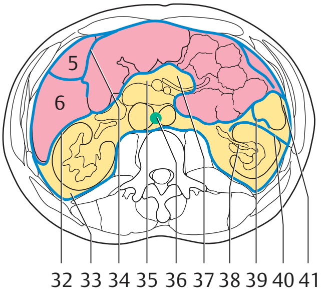
(Numbers indicate liver segments)



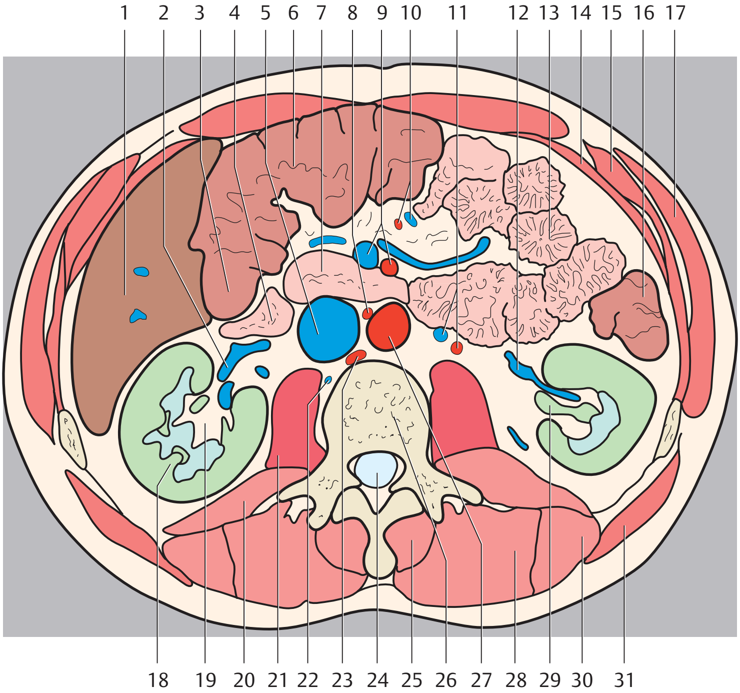
1. Liver
2. Right renal artery
3. Gallbladder
4. Right colic flexure
5. Duodenum
6. Rectus abdominis muscle
7. Inferior vena cava
8. Superior mesenteric artery and vein
9. Transverse colon
10. Duodenojejunal flexure
11. Abdominal aorta
12. Jejunal and ileal arteries and veins
13. Renal vein
14. Jejunum
15. Descending colon
16. Internal oblique muscle
17. External oblique muscle
18. Renal cortex
19. Renal pelvis
20. Longissimus thoracis muscle
21. Diaphragm
22. Thoracic vertebra
23. Spinalis muscle
24. Vertebral canal
25. Lumbar artery and vein
26. Psoas major muscle
27. Left testicular artery
28. Quadratus lumborum muscle
29. Left renal artery
30. Iliocostalis muscle
31. Renal pyramids
32. Latissimus dorsi muscle
33. Hepatorenal recess
34. Posterior pararenal space
35. Renal hilum
36. Lumbar lymph nodes
37. Greater omentum
38. Root of mesentery
39. Left mesentericocolic gutter
40. Left paracolic gutter



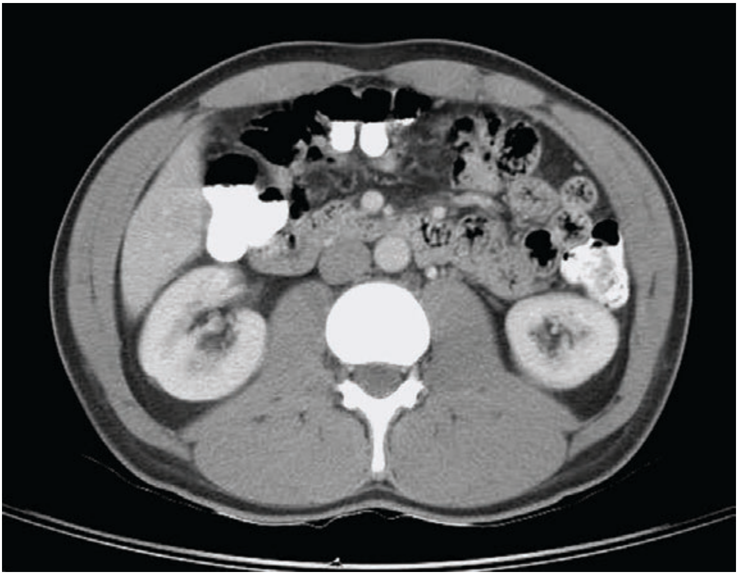


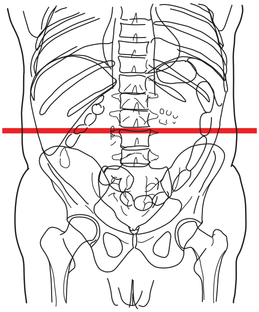

5
6
32
33
34
35
36
37
38
39
40
41

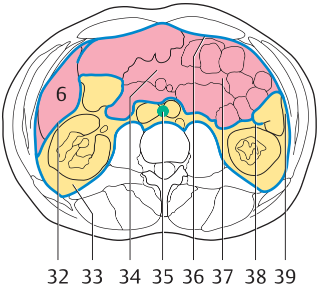
(Numbers indicate liver segments)



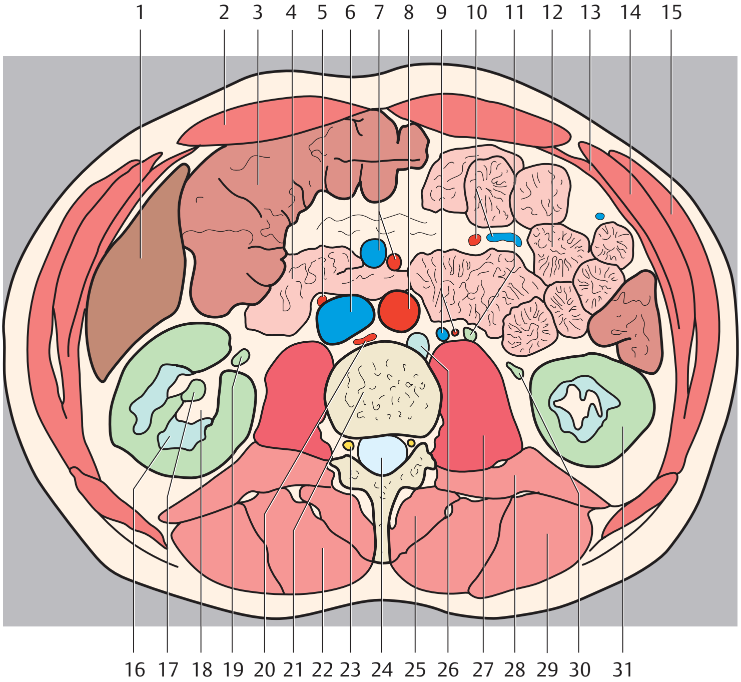
1. Liver
2. Renal vein
3. Right colic flexure
4. Ileum
5. Inferior vena cava
6. Transverse colon
7. Duodenum
8. Right testicular artery
9. Superior mesenteric artery and vein
10. Ileal and jejunal arteries and veins
11. Left testicular artery and vein
12. Renal vein
13. Jejunum
14. Transversus abdominis muscle
15. Internal oblique muscle
16. Descending colon
17. External oblique muscle
18. Right kidney
19. Renal sinus (adipose tissue)
20. Quadratus lumborum muscle
21. Psoas major muscle
22. Right lumbar vein
23. Diaphragm
24. Vertebral canal
25. Spinalis muscle
26. Lumbar vertebra
27. Abdominal aorta
28. Longissimus thoracis muscle
29. Renal pelvis
30. Iliocostalis lumborum muscle
31. Latissimus dorsi muscle
32. Hepatorenal recess
33. Posterior pararenal space
34. Omental bursa
35. Transverse mesocolon
36. Lumbar lymph nodes
37. Mesentery
38. Renal hilum
39. Left mesentericocolic gutter
40. Renal fascia
41. Left paracolic gutter



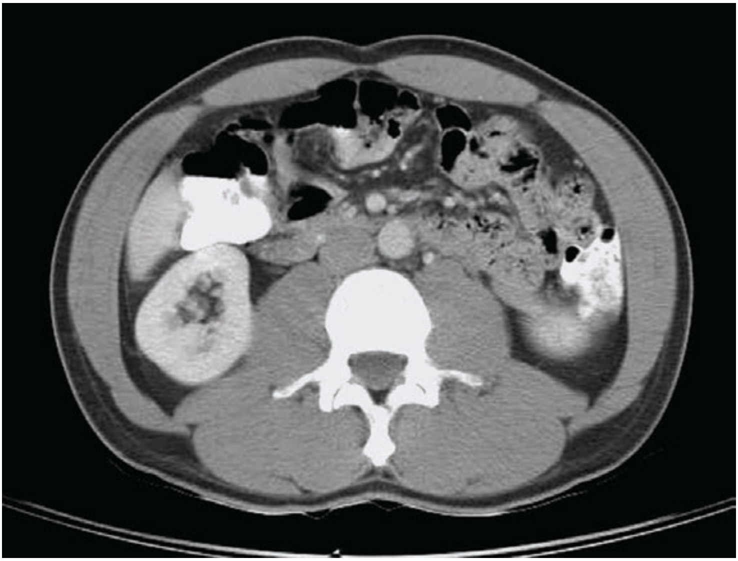


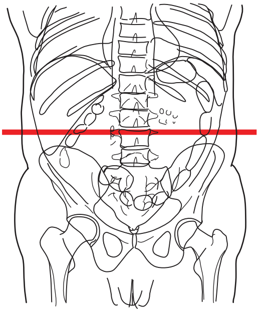

6
32
33
34
35
36
37
38
39

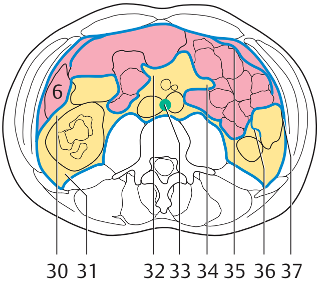
(Number indicate liver segment)



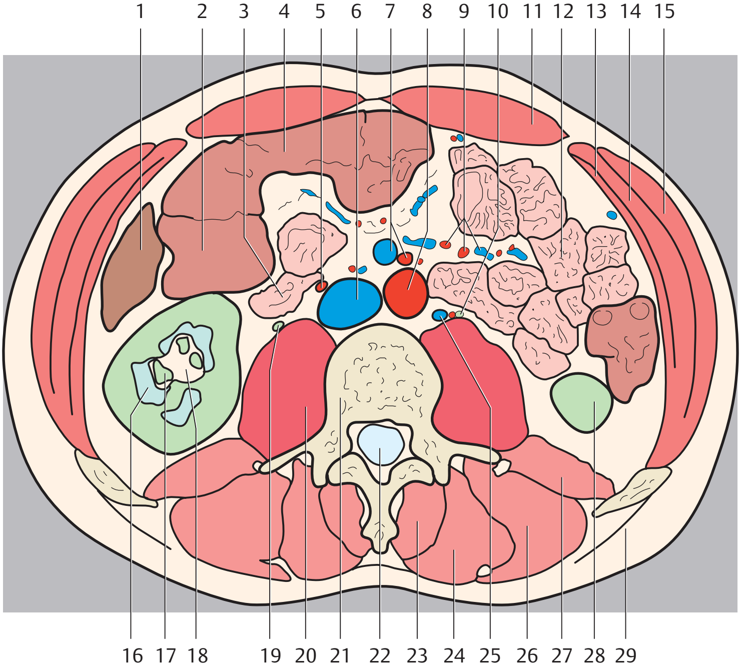
1. Liver
2. Rectus abdominis muscle
3. Ascending colon
4. Ileum
5. Right testicular artery
6. Inferior vena cava
7. Superior mesenteric artery and vein
8. Abdominal aorta
9. Testicular artery and vein
10. Ileal and jejunal arteries and veins
11. Left ureter
12. Jejunum
13. Transversus abdominis muscle
14. Internal oblique muscle
15. External oblique muscle
16. Renal pyramids
17. Renal pelvis
18. Renal sinus
19. Right ureter
20. Diaphragm
21. Lumbar vertebra
22. Longissimus thoracis muscle
23. Nerve root
24. Vertebral canal
25. Spinalis muscle
26. Cisterna chyli
27. Psoas major muscle
28. Quadratus lumborum muscle
29. Iliocostalis lumborum muscle
30. Left ureter
31. Left kidney
32. Hepatorenal recess
33. Posterior pararenal space
34. Transverse mesocolon
35. Lumbar lymph nodes
36. Greater omentum
37. Mesentery
38. Left mesentericocolic gutter
39. Left paracolic gutter



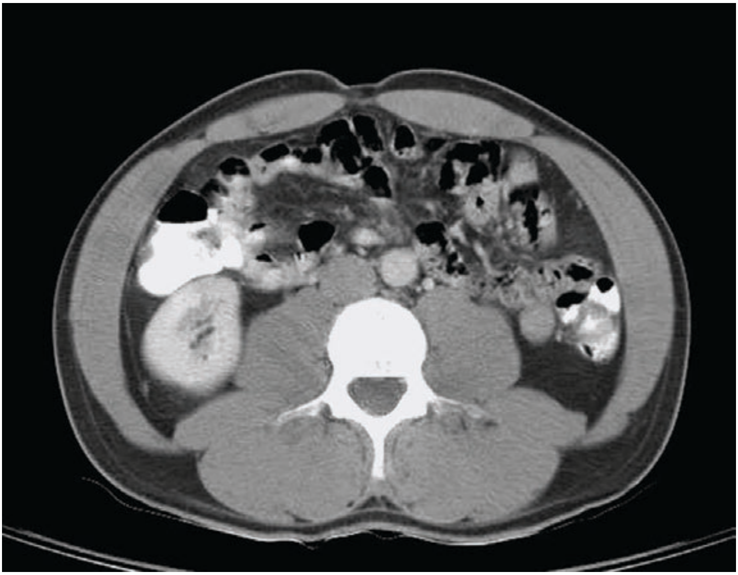


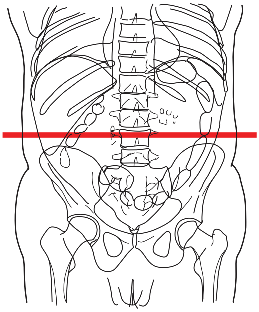

6
30
31
32
33
34
35
36
37

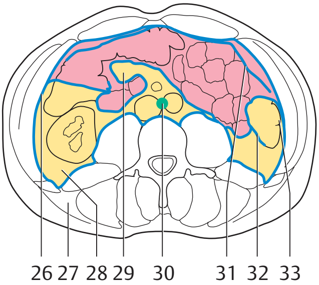
(Number indicate liver segment)

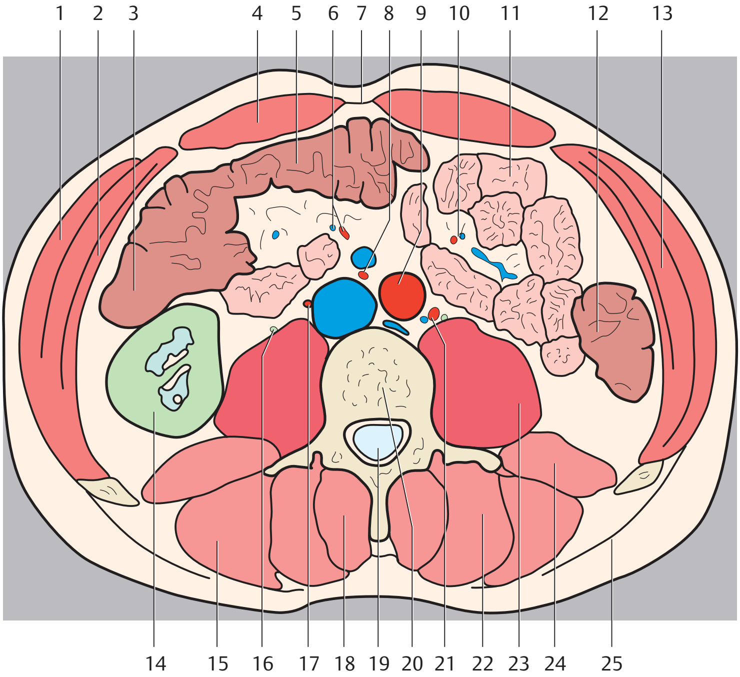


1. Liver
2. Ascending colon
3. Ileum
4. Transverse colon
5. Right testicular artery
6. Inferior vena cava
7. Superior mesenteric artery and vein
8. Abdominal aorta
9. Ileal and jejunal arteries and veins
10. Left ureter
11. Rectus abdominis muscle
12. Jejunum
13. Transversus abdominis muscle
14. Internal oblique muscle
15. External oblique muscle
16. Renal pyramids
17. Renal calices
18. Renal sinus
19. Right ureter
20. Psoas major muscle
21. Lumbar vertebra
22. Vertebral canal
23. Spinalis muscle
24. Longissimus thoracis muscle
25. Left testicular artery and vein
26. Iliocostalis lumborum muscle
27. Quadratus lumborum muscle
28. Left kidney
29. Thoracolumbar fascia
30. Hepatorenal recess
31. Posterior pararenal space
32. Transverse mesocolon
33. Lumbar lymph nodes
34. Mesentery
35. Greater omentum
36. Left mesentericocolic gutter
37. Left paracolic gutter

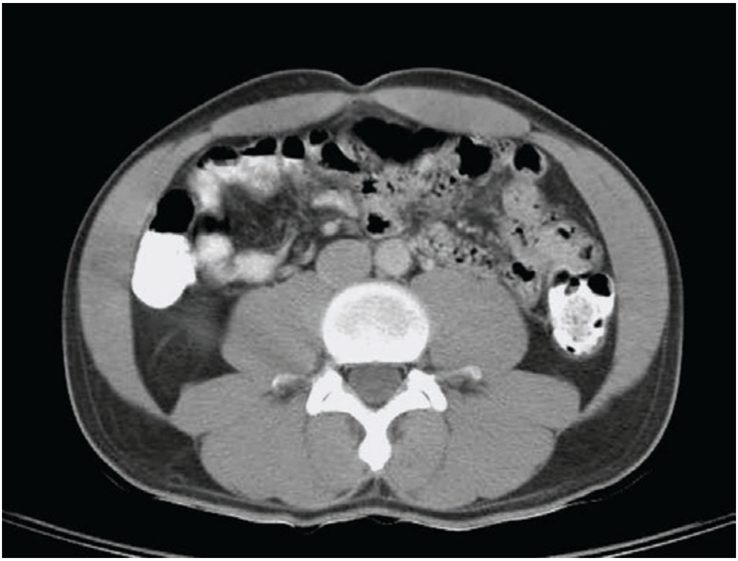


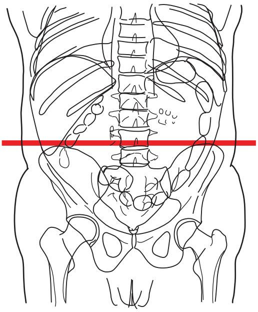


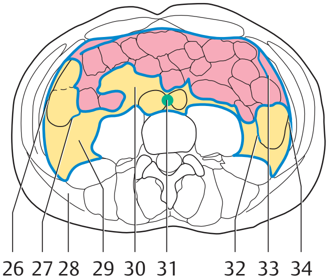

26
27
28
29
30
31
32
33

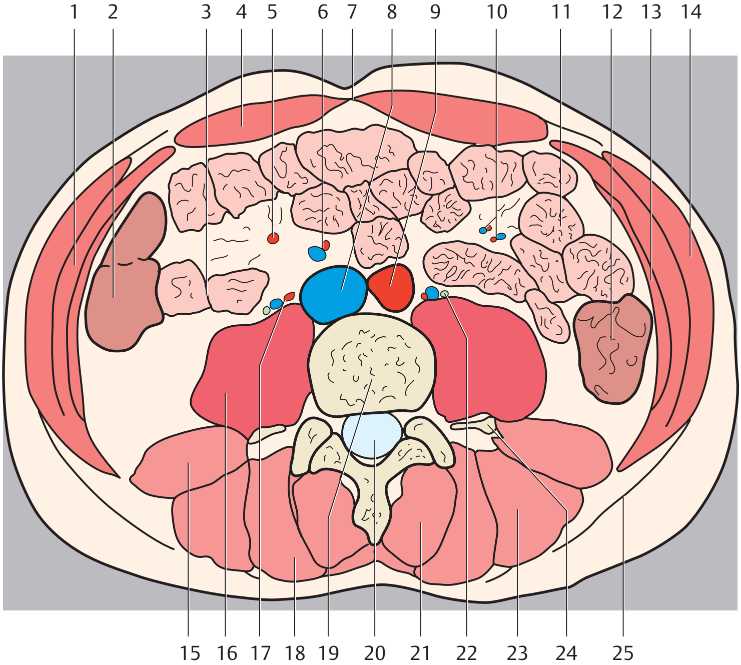


1. External oblique muscle
2. Transversus abdominis muscle
3. Ascending colon
4. Rectus abdominis muscle
5. Transverse colon
6. Right colic artery and vein
7. Linea alba
8. Superior mesenteric artery and vein
9. Abdominal aorta
10. Jejunal arteries and veins
11. Jejunum
12. Descending colon
13. Internal oblique muscle
14. Right kidney
15. Iliocostalis lumborum muscle
16. Ureter
17. Right testicular artery
18. Spinalis muscle
19. Vertebral canal
20. Lumbar vertebra
21. Left testicular artery and vein
22. Longissimus thoracis muscle
23. Psoas major muscle
24. Quadratus lumborum muscle
25. Thoracolumbar fascia
26. Right paracolic gutter
27. Lumbar triangle
28. Posterior pararenal space
29. Transverse mesocolon
30. Lumbar lymph nodes
31. Greater omentum
32. Left mesentericocolic gutter
33. Left paracolic gutter

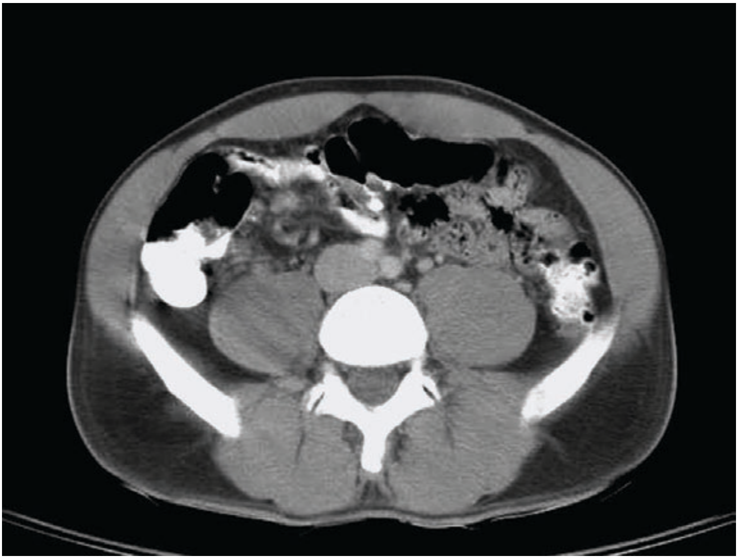


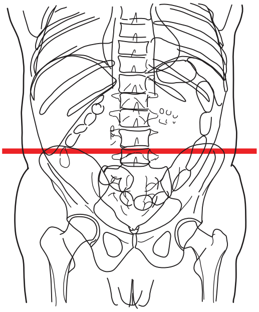


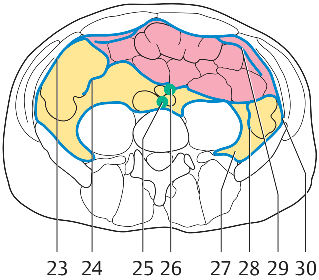

26
27
28
29
30
31
32
33
34

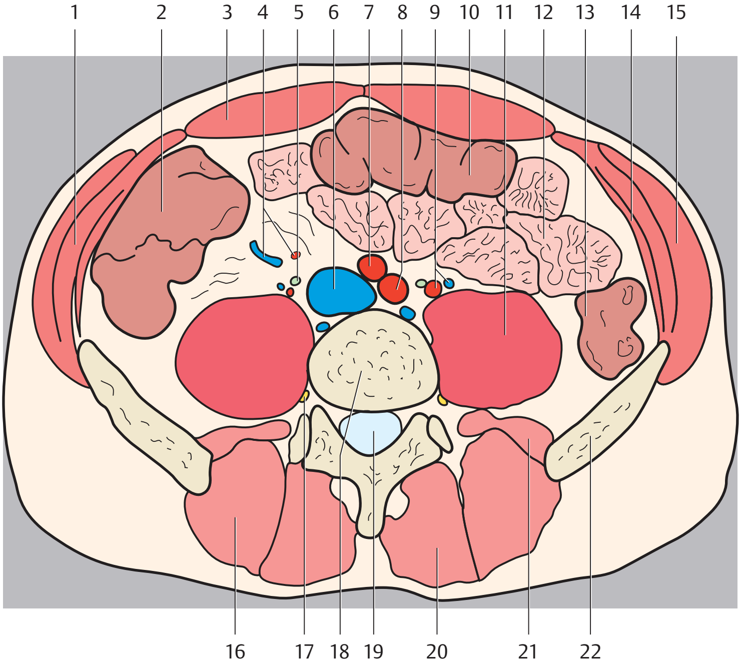


1. Internal oblique muscle
2. Ascending colon
3. Ileum
4. Rectus abdominis muscle
5. Right colic artery and vein
6. Superior mesenteric artery and vein
7. Linea alba
8. Inferior vena cava
9. Abdominal aorta
10. Ileal and jejunal arteries and veins
11. Jejunum
12. Descending colon
13. Transversus abdominis muscle
14. External oblique muscle
15. Quadratus lumborum muscle
16. Psoas major muscle
17. Testicular artery and vein
18. Longissimus thoracis muscle
19. Lumbar vertebra
20. Vertebral canal
21. Spinalis muscle
22. Ureter
23. Iliocostalis lumborum muscle
24. Transverse process of lumbar vertebra
25. Thoracolumbar fascia
26. Right paracolic gutter
27. Right paracolic gutter
28. Lumbar triangle
29. Infrarenal fatty tissue
30. Mesentery
31. Lumbar lymph nodes
32. Left mesentericocolic gutter
33. Greater omentum
34. Left paracolic gutter

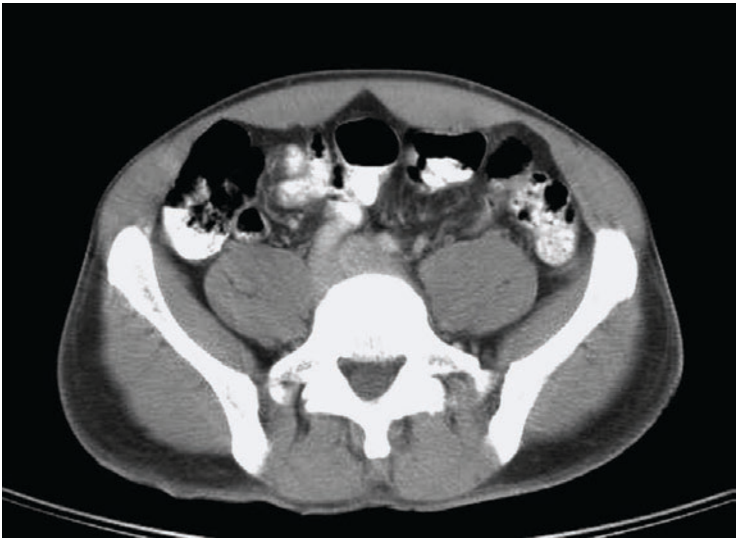


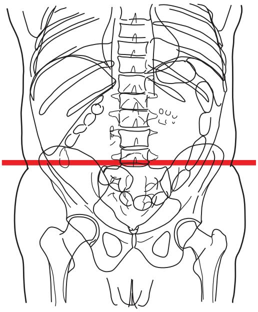


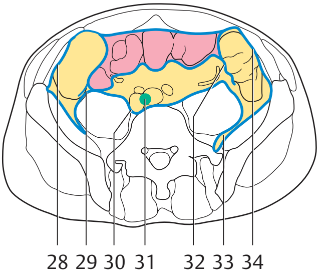

23
24
25
26
27
28
29
30

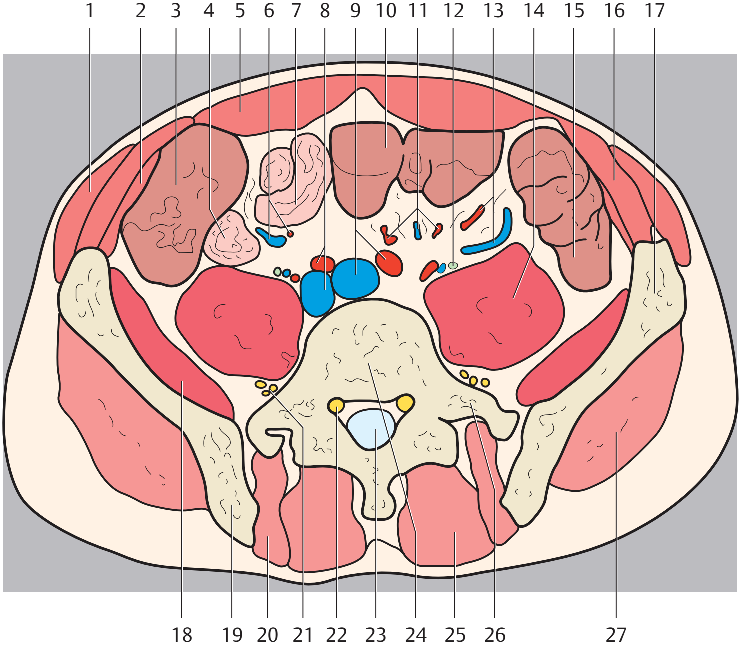


1. Internal oblique muscle
2. Ascending colon
3. Rectus abdominis muscle
4. Right colic artery and vein
5. Ureter
6. Inferior vena cava
7. Right common iliac artery
8. Left common iliac artery
9. Testicular artery and vein
10. Transverse colon
11. Psoas major muscle
12. Jejunum
13. Descending colon
14. Transversus abdominis muscle
15. External oblique muscle
16. Longissimus thoracis muscle
17. Femoral nerve
18. Lumbar vertebra
19. Vertebral canal
20. Spinalis muscle
21. Quadratus lumborum muscle
22. Ilium
23. Right paracolic gutter
24. Right mesentericocolic gutter
25. Lumbar lymph nodes
26. Common iliac lymph nodes
27. Gutter of psoas muscle
28. Left mesentericocolic gutter
29. Greater omentum
30. Left paracolic gutter

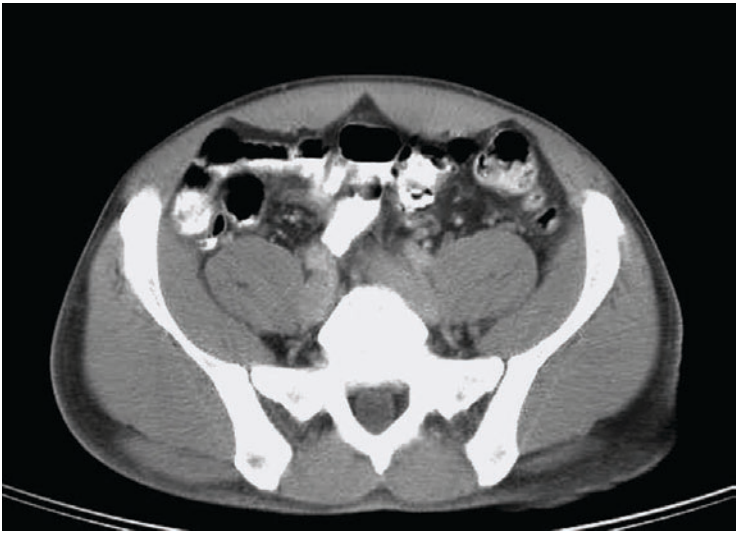


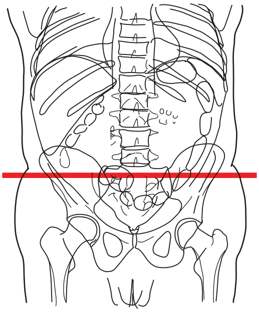


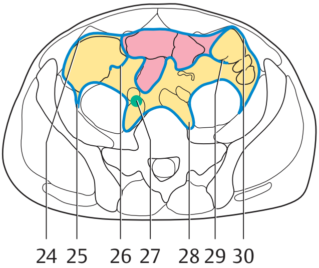

28
29
30
31
32
33
34

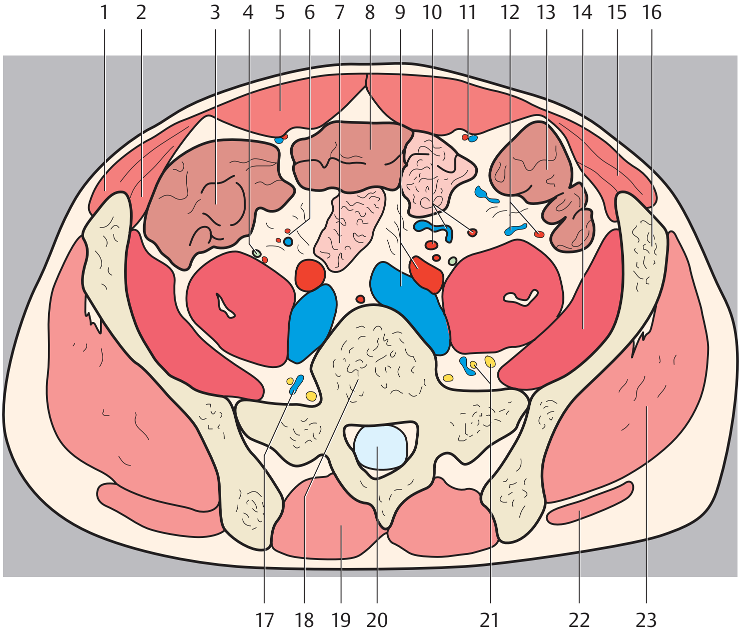


1. External oblique muscle
2. Transversus abdominis muscle
3. Ascending colon
4. Terminal ileum
5. Rectus abdominis muscle
6. Ileal arteries and veins
7. Ileum
8. Right common iliac artery and vein
9. Left common iliac artery and vein
10. Transverse colon
11. Middle colic artery and vein
12. Ureter, Testicular artery and vein
13. Left colic artery and vein
14. Psoas major muscle
15. Descending colon
16. Internal oblique muscle
17. Ala of ilium
18. Iliacus muscle
19. Ilium
20. Longissimus thoracis muscle
21. Lumbar plexus
22. Lumbar nerve V
23. Vertebral canal
24. Lumbar vertebra 5
25. Spinalis muscle
26. Transverse process (of vertebra)
27. Gluteus medius muscle
28. Right paracolic gutter
29. Right mesentericocolic gutter
30. Medial groove of psoas
31. Common iliac lymph nodes
32. Left mesentericocolic gutter
33. Lateral groove of psoas
34. Left paracolic gutter

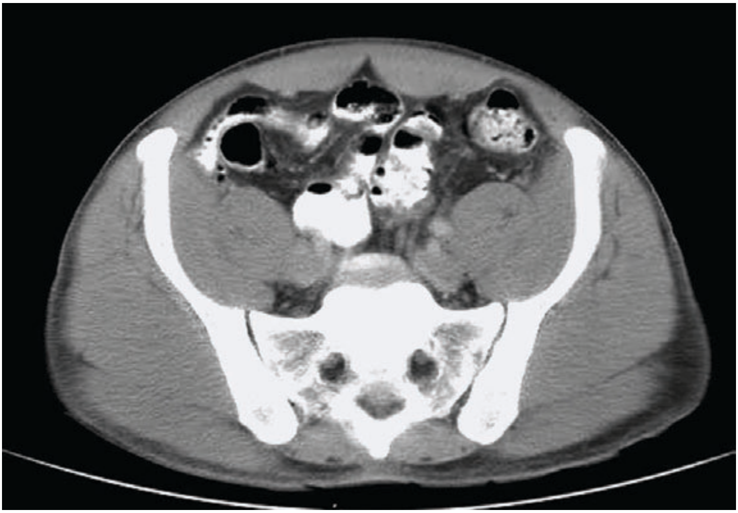


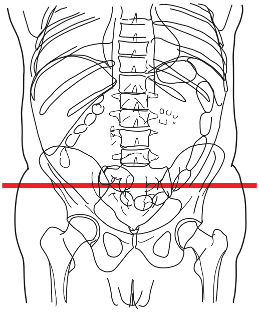


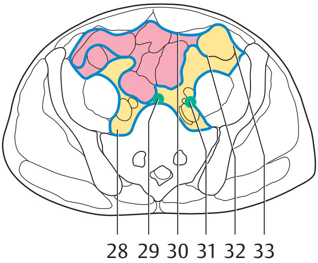

24
25
26
27
28
29
30

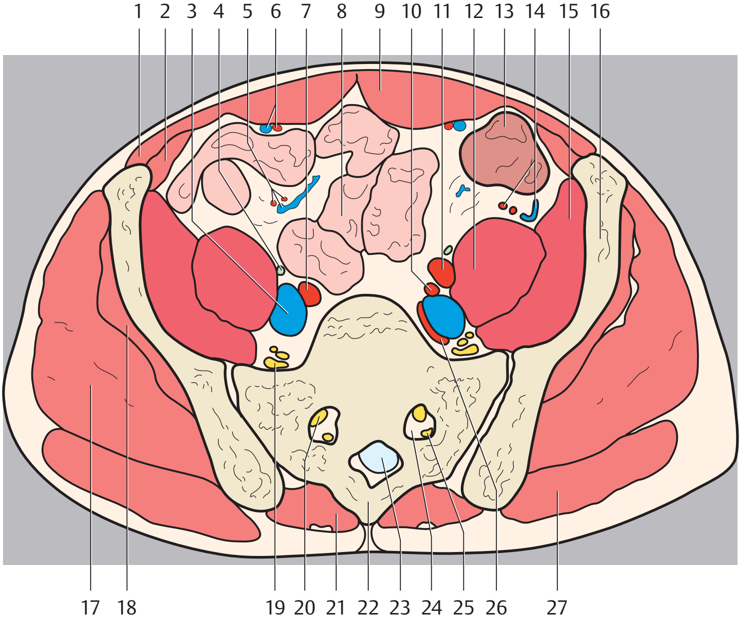


1. External oblique muscle
2. Transversus abdominis muscle
3. Cecum
4. Ureter
5. Rectus abdominis muscle
6. Right colic artery and vein
7. Ileum
8. Transverse colon
9. Left common iliac artery and vein
10. Ileal arteries and veins
11. Epigastric artery and vein
12. Left colic artery and vein
13. Descending colon
14. Iliacus muscle
15. Internal oblique muscle
16. Ala of ilium
17. Ascending lumbar vein
18. Lumbar vertebra 5
19. Spinalis muscle
20. Vertebral canal
21. Lumbar plexus
22. Gluteus maximus muscle
23. Gluteus medius muscle
24. Right paracolic gutter
25. Lateral gutter of psoas muscle
26. Right mesentericocolic gutter
27. Common iliac lymph nodes
28. Medial gutter of psoas muscle
29. Left mesentericocolic gutter
30. Left paracolic gutter

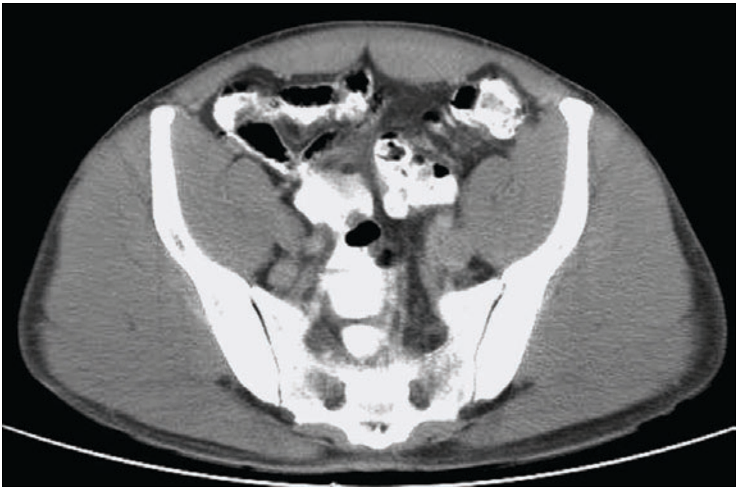


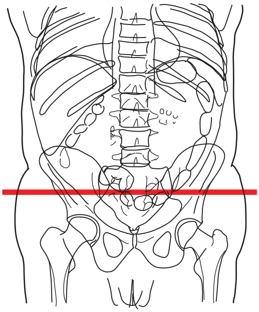


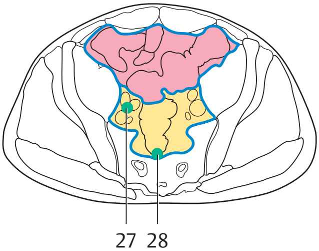

28
29
30
31
32
33

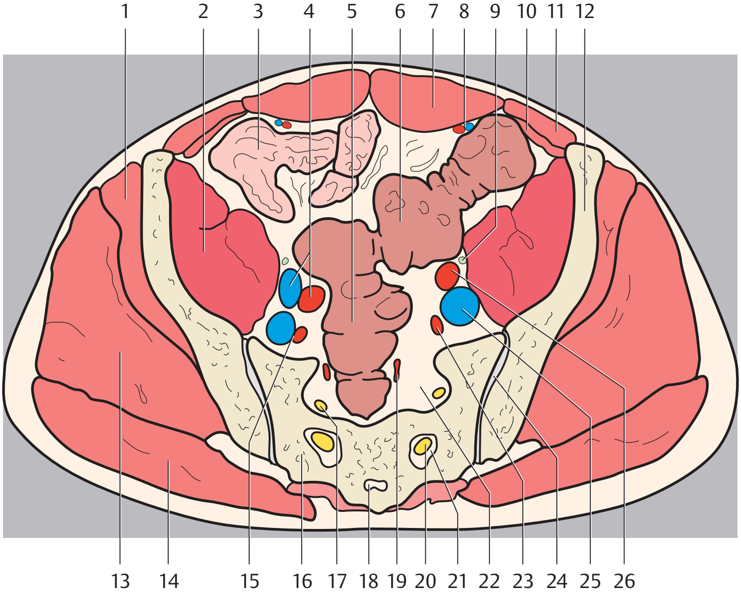


1. Internal oblique muscle
2. Transversus abdominis muscle
3. Right common iliac vein
4. Ureter
5. Ileal artery and vein
6. Inferior epigastric artery and vein
7. Right common iliac artery
8. Ileum
9. Rectus abdominis muscle
10. Left internal iliac artery
11. Left external iliac artery
12. Psoas major muscle
13. Descending colon
14. Left colic artery and vein
15. Iliacus muscle
16. Ilium
17. Gluteus medius muscle
18. Gluteus minimus muscle
19. Sacral plexus
20. Anterior sacral nerve
21. Spinalis muscle
22. Sacrum
23. Vertebral canal
24. Sacral foramen I
25. Posterior sacral nerve I
26. Inferior gluteal artery
27. Gluteus maximus muscle
28. Medial groove of psoas
29. Promontorial lymph nodes
30. Greater omentum
31. Common iliac lymph nodes
32. Left mesentericocolic gutter
33. Left paracolic gutter

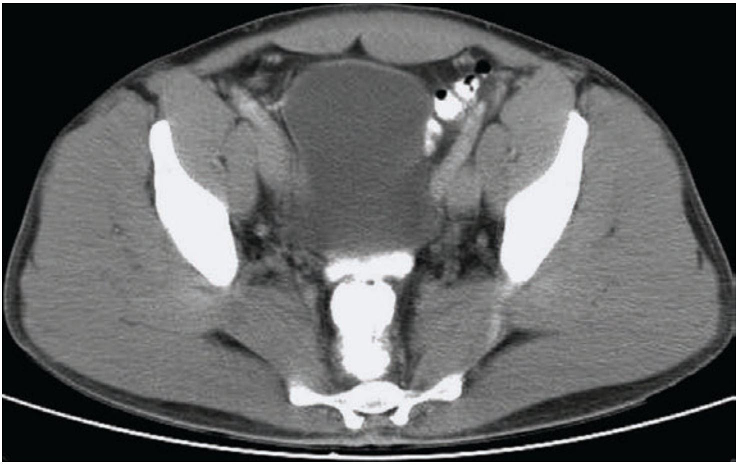


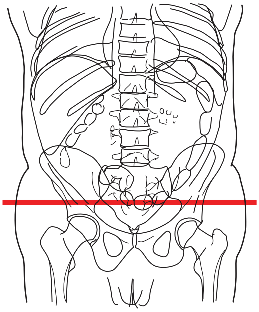


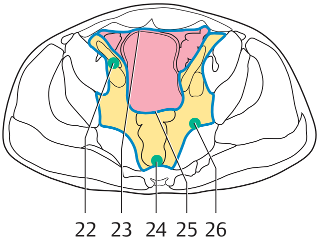

27
28

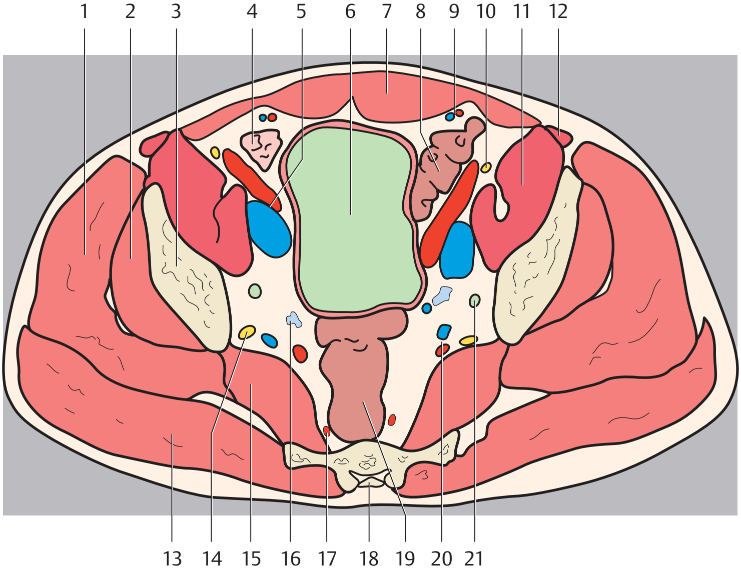


1. Gluteus minimus muscle	15. Right internal iliac artery and vein
2. Iliopsoas muscle	16. Sacrum
3. Jejunum	17. Sacral nerve II
4. Right external iliac artery and vein	18. Sacral canal
5. Rectum	19. Superior rectal artery
6. Sigmoid colon	20. Sacral nerve III
7. Rectus abdominis muscle	21. Sacral foramen III
8. Epigastric artery and vein	22. Sacral foramen II
9. Ureter	23. Left internal iliac artery
10. Transversus abdominis muscle	24. Sacroiliac joint
11. Internal oblique muscle	25. Common iliac vein
12. Ala of ilium	26. Left external iliac artery
13. Gluteus medius muscle	27. Common iliac lymph nodes
14. Gluteus maximus muscle	28. Sacral lymph nodes

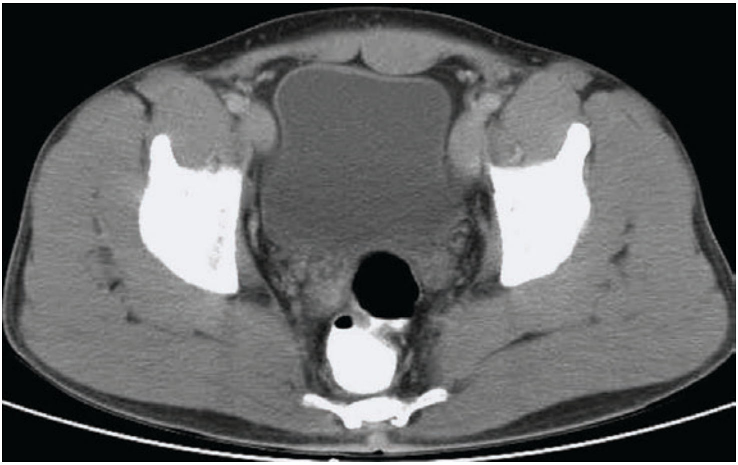


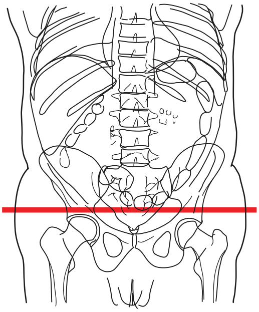


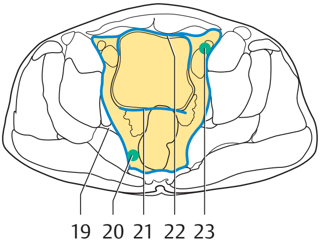

22
23
24
25
26

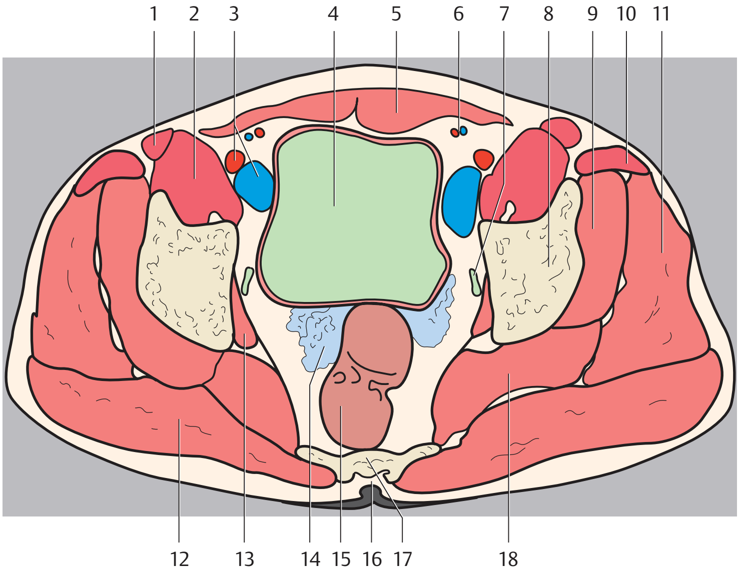


1. Gluteus medius muscle	14. Sacral plexus
2. Gluteus minimus muscle	15. Piriformis muscle
3. Ilium (body)	16. Seminal vesicle
4. Ileum	17. Superior rectal artery
5. Right external iliac artery and vein	18. Sacral canal
6. Urinary bladder	19. Rectum
7. Rectus abdominis muscle	20. Left internal iliac artery and vein
8. Sigmoid colon	21. Ureter
9. Inferior epigastric artery and vein	22. External iliac lymph nodes
10. Femoral nerve	23. Paravesical fossa
11. Iliopsoas muscle	24. Sacral lymph nodes
12. Sartorius muscle	25. Recto-vesical pouch
13. Gluteus maximus muscle	26. Inferior gluteal lymph nodes

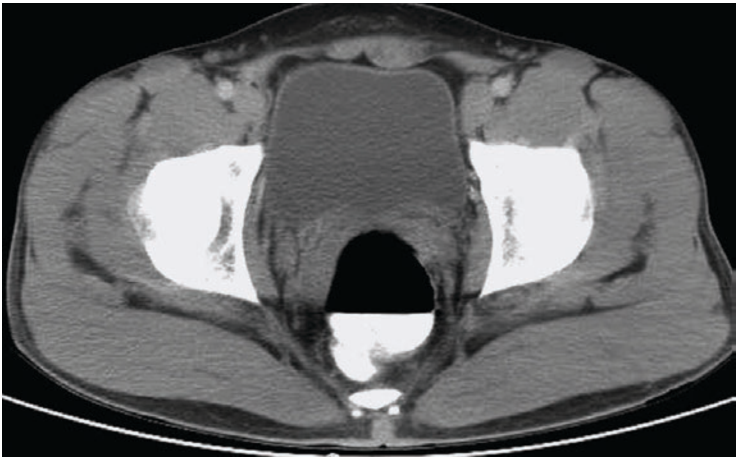


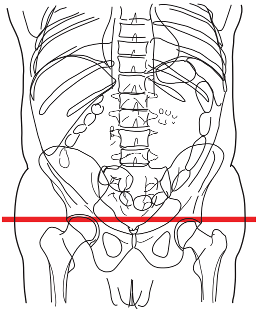


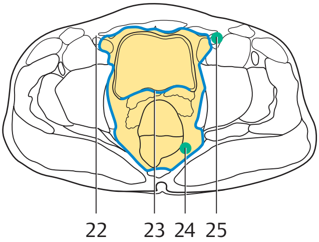

19
20
21
22
23

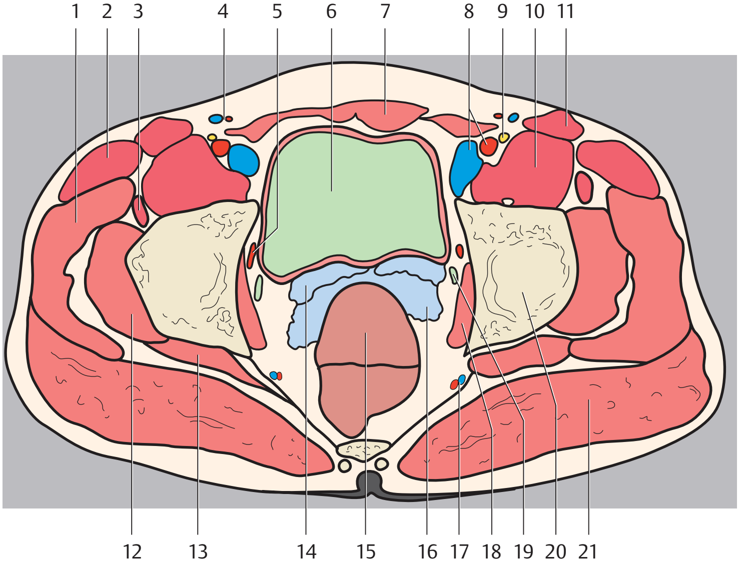


1. Sartorius muscle
2. Iliopsoas muscle
3. Right external iliac artery and vein
4. Urinary bladder
5. Rectus abdominis muscle
6. Inferior epigastric artery and vein
7. Ureter
8. Ilium (body)
9. Gluteus minimus muscle
10. Tensor fasciae latae muscle
11. Gluteus medius muscle
12. Gluteus maximus muscle
13. Obturator internus muscle
14. Seminal vesicle
15. Rectum
16. Hiatus sacralis
17. Sacrum
18. Piriformis muscle
19. Infrapiriform foramen
20. Pararectal lymph nodes
21. Recto-vesical pouch
22. Paravesical fossa
23. External iliac lymph nodes

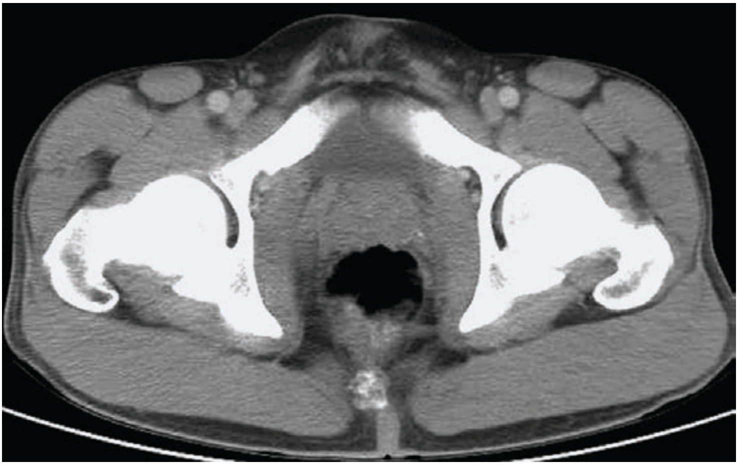


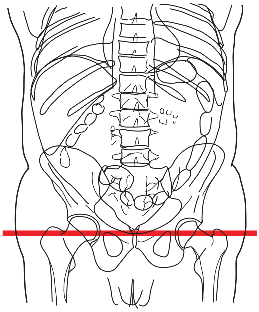


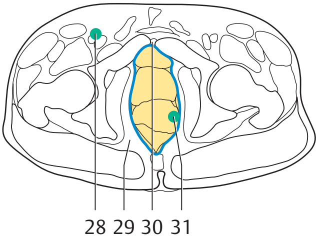

22
23
24
25

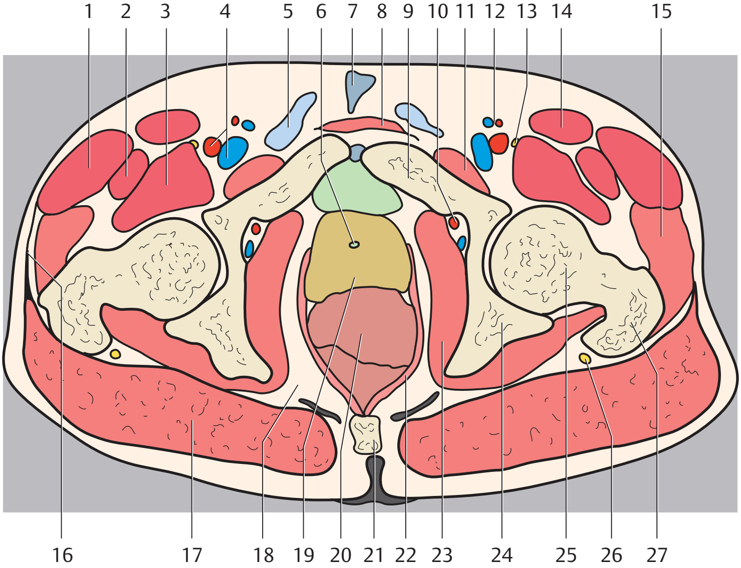


1. Gluteus medius muscle
2. Tensor fasciae latae muscle
3. Rectus femoris muscle
4. Superficial epigastric artery and vein
5. Obturator artery
6. Urinary bladder
7. Rectus abdominis muscle
8. Left external iliac artery and vein
9. Femoral nerve
10. Iliopsoas muscle
11. Sartorius muscle
12. Gluteus minimus muscle
13. Piriformis muscle
14. Ampulla of ductus deferens
15. Rectum
16. Seminal vesicle
17. Left inferior gluteal artery and vein
18. Obturator internus muscle
19. Ureter
20. Ilium (body)
21. Gluteus maximus muscle
22. Inguinal canal
23. Recto-vesical pouch
24. Pararectal lymph nodes
25. External iliac lymph nodes

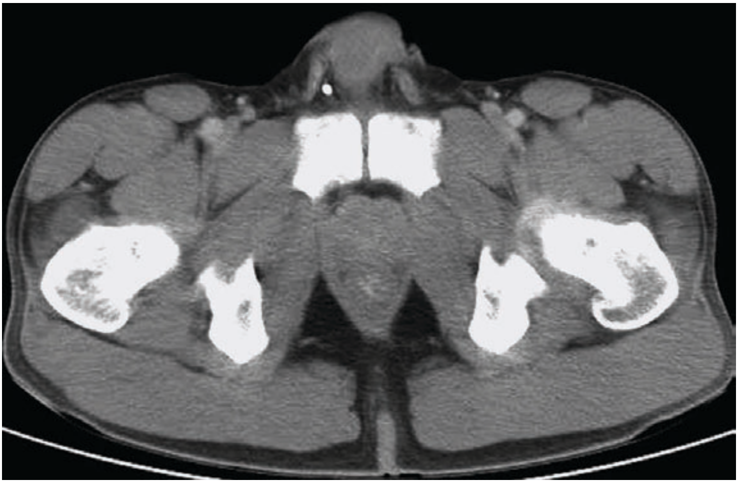


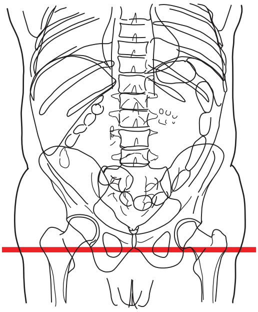


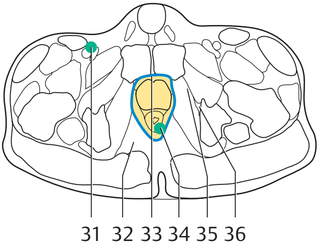

28
29
30
31

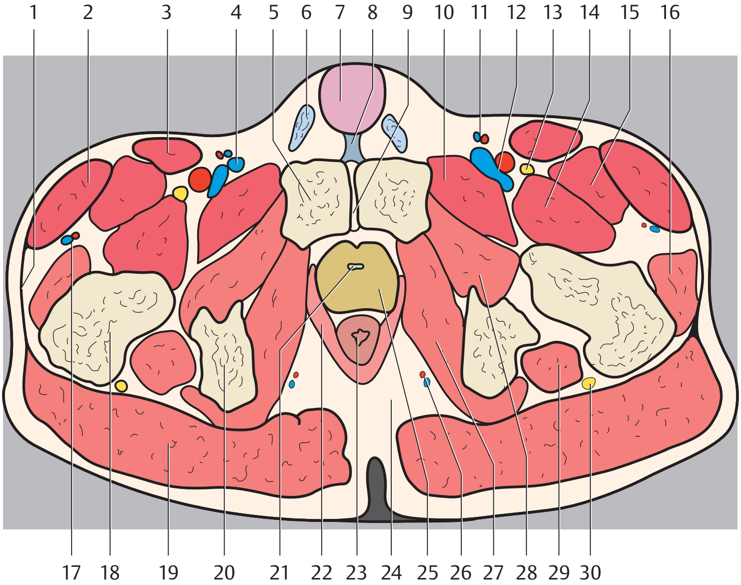


1. Tensor fasciae latae muscle
2. Rectus femoris muscle
3. Iliopsoas muscle
4. Right external iliac artery and vein
5. Spermatic cord
6. Urethra
7. Suspensory ligament of penis
8. Rectus abdominis muscle
9. Pubis
10. Obturator artery
11. Obturator externus muscle
12. Superficial epigastric artery and vein
13. Femoral nerve
14. Sartorius muscle
15. Gluteus minimus muscle
16. Fascia lata
17. Gluteus maximus muscle
18. Ischiorectal fossa
19. Prostate
20. Rectal ampulla
21. Coccyx
22. Levator ani muscle
23. Obturator internus muscle
24. Ischium
25. Head of femur
26. Greater trochanter
27. Sciatic nerve
28. Inguinal lymph nodes
29. Ischiorectal fossa
30. Retropubic space
31. Pararectal lymph nodes

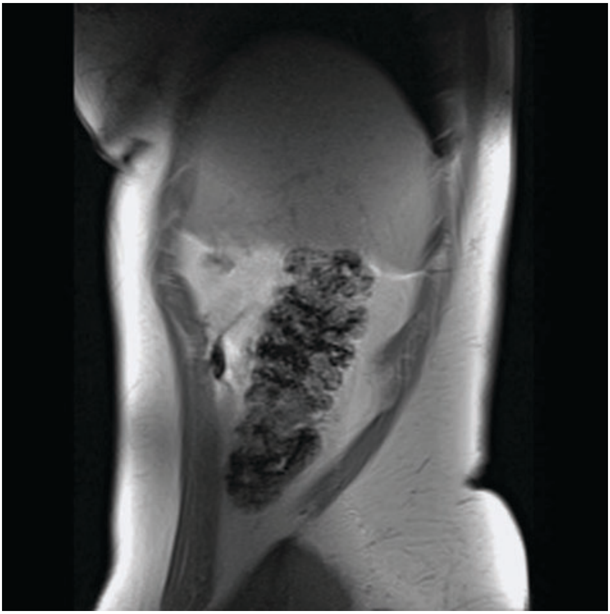


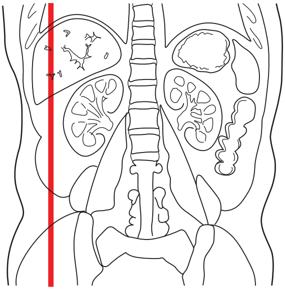


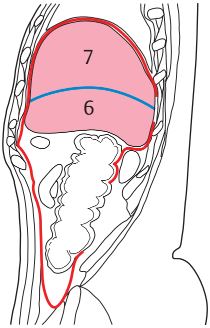

31
32
33
34
35
36



1. Fascia lata	18. Femur (intertrochanteric part)
2. Tensor fasciae latae muscle	19. Gluteus maximus muscle
3. Sartorius muscle	20. Ischium
4. Great saphenous vein	21. Urethra
5. Pubis (superior ramus)	22. Levator ani muscle
6. Spermatic cord	23. Rectum
7. Root of penis	24. Ischiorectal fossa
8. Suspensory ligament of penis	25. Prostate
9. Pubic symphysis	26. Internal pudendal artery
10. Pectineus muscle	27. Obturator internus muscle
11. Superficial epigastric artery and vein	28. Obturator externus muscle
12. Femoral artery and vein	29. Quadratus femoris muscle
13. Femoral nerve	30. Sciatic nerve
14. Iliopsoas muscle	31. Inguinal lymph nodes
15. Rectus femoris muscle	32. Ischiorectal fossa
16. Gluteus minimus muscle	33. Retropubic space
17. Lateral circumflex femoral artery and vein	34. Pararectal lymph nodes
	35. Obturator membrane
	36. Obturator canal

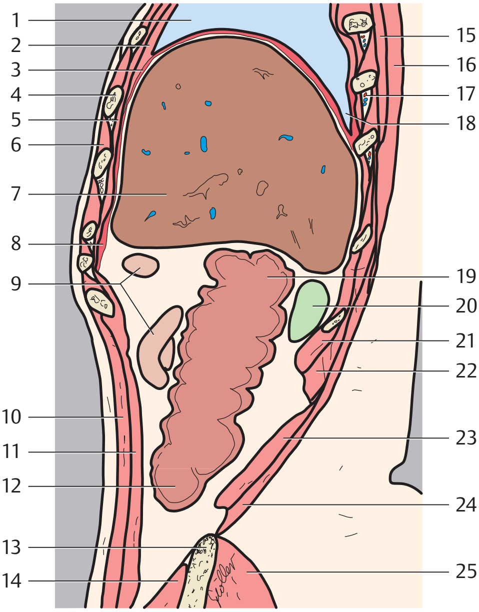




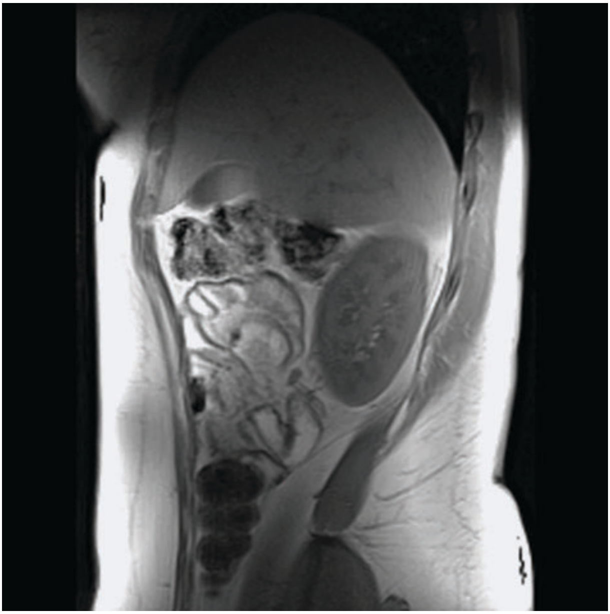


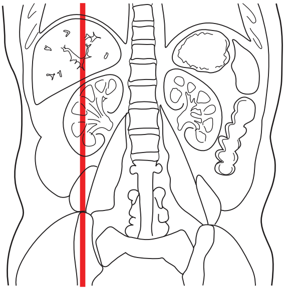
—— = Peritoneum

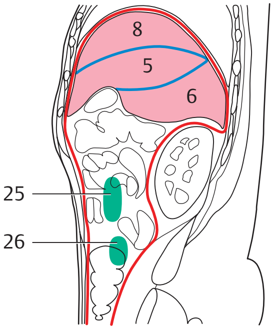
(Numbers indicate liver segments)



1. Right lung
2. Transversus thoracis muscle
3. Diaphragm
4. Rib
5. Internal intercostal muscle
6. External intercostal muscle
7. Liver (right lobe)
8. Diaphragm (costal part)
9. Small intestine (jejunum)
10. External oblique muscle
11. Internal oblique muscle
12. Cecum
13. Iliac crest
14. Iliacus muscle
15. Serratus posterior inferior muscle
16. Latissimus dorsi muscle
17. Intercostal artery, vein and nerve
18. Diaphragm (costodiaphragmatic recess)
19. Right colon flexure
20. Right kidney
21. Quadratus lumborum muscle
22. Erector spinae muscle
23. Transversus abdominis muscle
24. External abdominal oblique muscle
25. Gluteus medius muscle

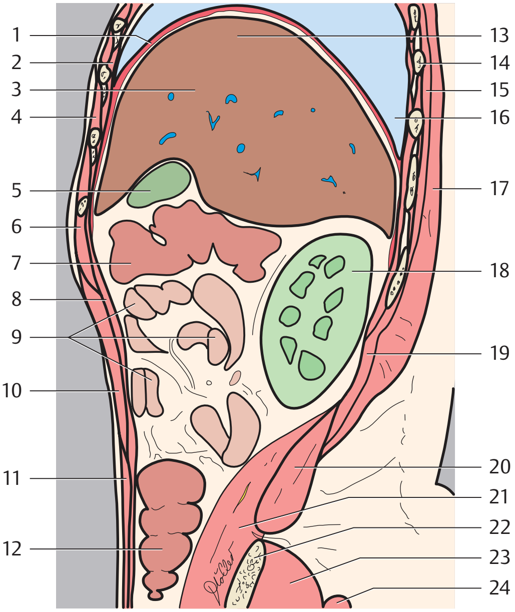




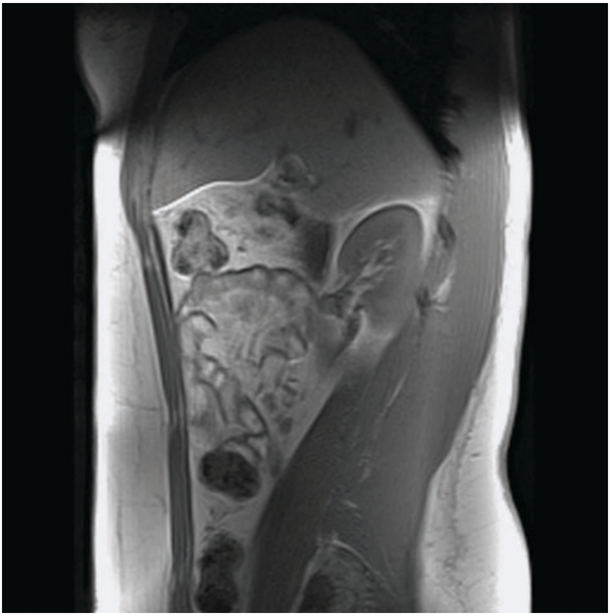


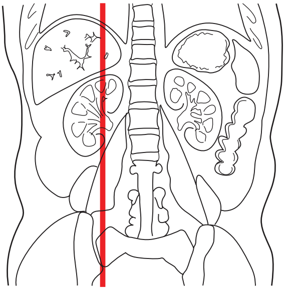
— = Peritoneum

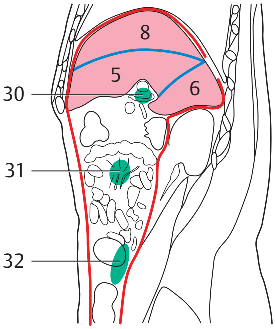
(Numbers indicate liver segments)



1. Diaphragm
2. Internal intercostal muscle
3. Liver (right lobe)
4. External intercostal muscle
5. Gallbladder
6. Rectus abdominis muscle
7. Transverse colon
8. Transversus abdominis muscle
9. Small intestine (jejunum)
10. External oblique muscle
11. Internal oblique muscle
12. Cecum
13. Liver
14. Rib
15. Erector spinae muscle
16. Costodiaphragmatic recess
17. Latissimus dorsi muscle
18. Right kidney
19. Serratus posterior inferior muscle
20. Quadratus lumborum muscle
21. Psoas major muscle
22. Iliac crest
23. Gluteus medius muscle
24. Gluteus maximus muscle
25. Mesenteric lymph nodes
26. Paracolic lymph nodes

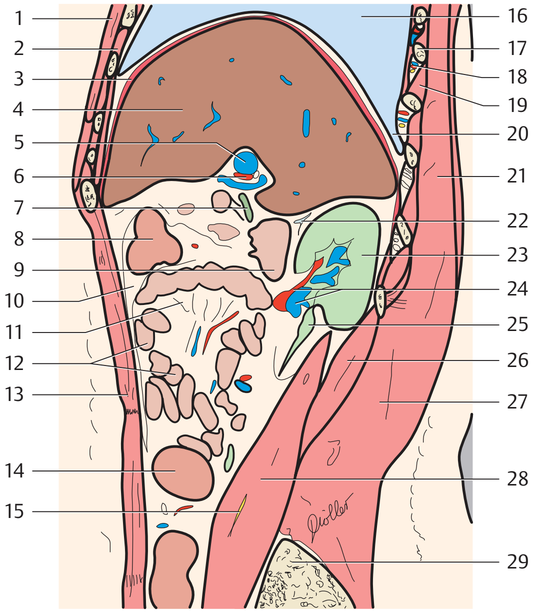




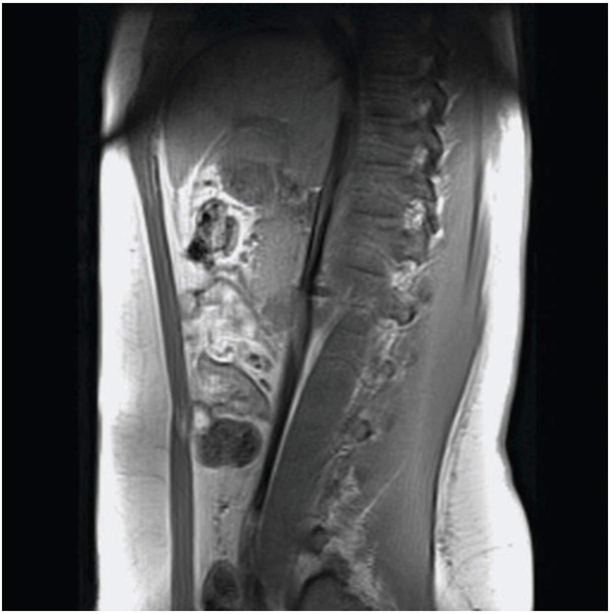


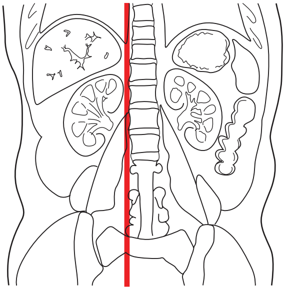
— = Peritoneum

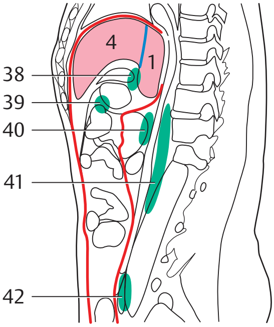
(Numbers indicate liver segments)



1. Pectoralis muscle
2. Transversus thoracis muscle
3. Diaphragm
4. Liver (right lobe)
5. Hepatic portal vein
6. Hepatic artery
7. Bile duct
8. Transverse colon
9. Duodenum
10. Greater omentum
11. Mesentery
12. Small intestine
13. Rectus abdominis muscle
14. Ascending colon
15. Femoral nerve
16. Right lung
17. Rib
18. Intercostal artery, vein and nerve
19. Intercostalis muscles
20. Costodiaphragmatic recess
21. Latissimus dorsi muscle
22. Adrenal gland
23. Right kidney
24. Renal artery and vein
25. Ureter
26. Quadratus lumborum muscle
27. Erector spinae muscle
28. Psoas major muscle
29. Iliac spine
30. Hepatic lymph nodes
31. Mesenteric lymph nodes
32. Paracolic lymph nodes

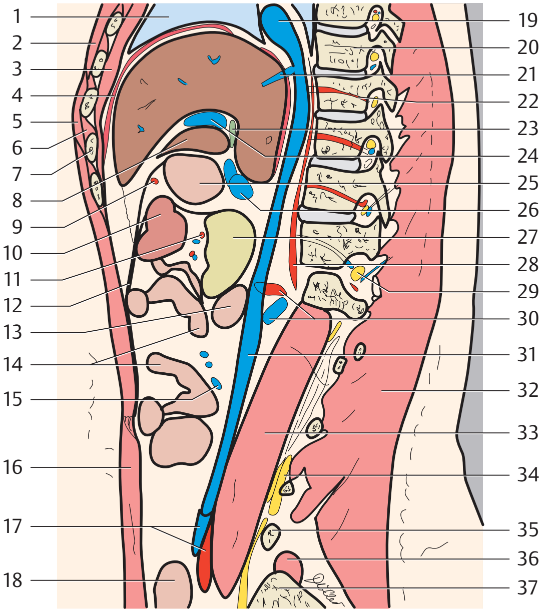




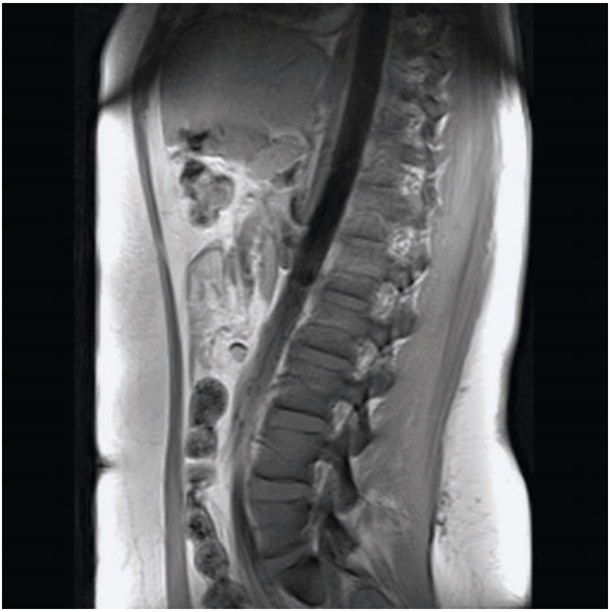

4
1
38
39
40
41
42

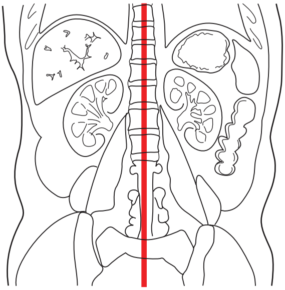
—— = Peritoneum

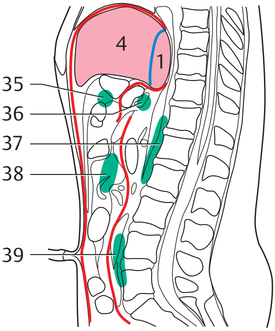
(Numbers indicate liver segments)



1. Right lung
2. Pectoralis muscle
3. Transversus thoracis muscle
4. Diaphragm
5. External oblique muscle
6. Intercostalis muscles
7. Rib
8. Liver (quadrate lobe)
9. Right gastroepiploic artery
10. Transverse colon
11. Colic artery
12. Greater omentum
13. Duodenum
14. Small intestine
15. Jejunal veins
16. Rectus abdominis muscle
17. Common iliac artery and vein
18. Small intestine (ileum)
19. Right atrium
20. Thoracic vertebra
21. Hepatic veins
22. Intercostal artery
23. Bile duct
24. Hepatic portal vein (left branch)
25. Stomach
26. Hepatic portal vein
27. Pancreas
28. Diaphragm (lumbar part)
29. Nerve root
30. Renal artery and vein
31. Inferior vena cava
32. Erector spinae muscle
33. Psoas major muscle
34. Lumbosacral plexus
35. Transverse process (L4)
36. Quadratus lumborum muscle
37. Iliac spine
38. Hepatic lymph nodes
39. Gastro-omental lymph nodes
40. Pancreatic lymph nodes
41. Postcaval lymph nodes
42. Common iliac lymph nodes

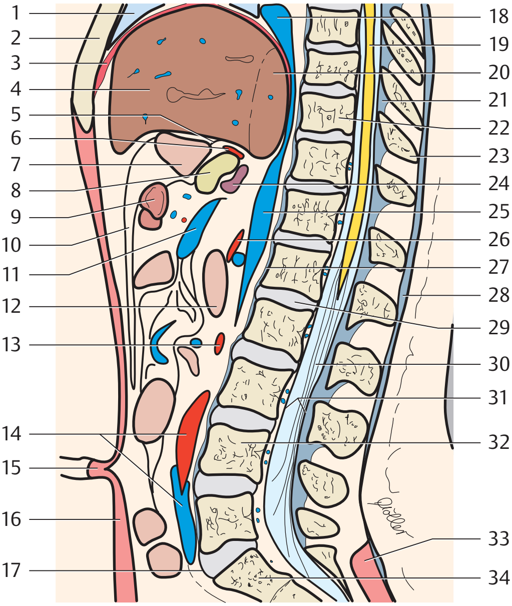




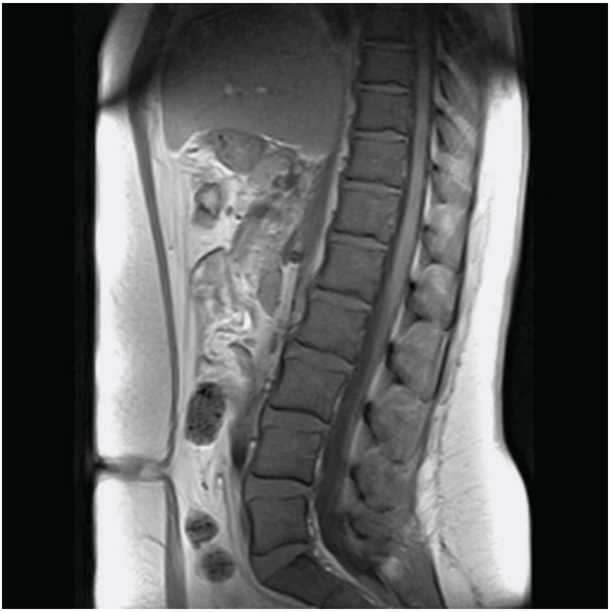

4
1
35
36
37
38
39

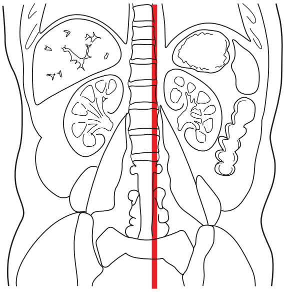
— = Peritoneum

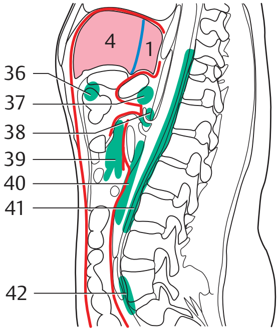
(Numbers indicate liver segments)



1. Lung
2. Sternum
3. Diaphragm
4. Liver
5. Lesser omentum
6. Left gastric artery
7. Stomach
8. Pancreas
9. Transverse colon
10. Greater omentum
11. Superior mesenteric vein
12. Duodenum (descending part)
13. Inferior mesenteric artery
14. Common iliac artery and vein
15. Umbilicus
16. Rectus abdominis muscle
17. Promontorium
18. Right atrium
19. Spinal cord
20. Liver (caudate lobe)
21. Ligamenta flava
22. Thoracic vertebra (T10)
23. Spinous process
24. Hepatic portal vein
25. Inferior vena cava
26. Inferior mesenteric artery
27. Anterior longitudinal ligament
28. Thoracolumbar fascia
29. Intervertebral disk (L1–L2)
30. Cauda equina
31. Spinal dura
32. Lumbar vertebra (L4)
33. Erector spinae muscle
34. Sacrum
35. Gastro-omental lymph nodes
36. Pancreatic lymph nodes
37. Postcaval lymph nodes
38. Mesenteric lymph nodes
39. Common iliac lymph nodes

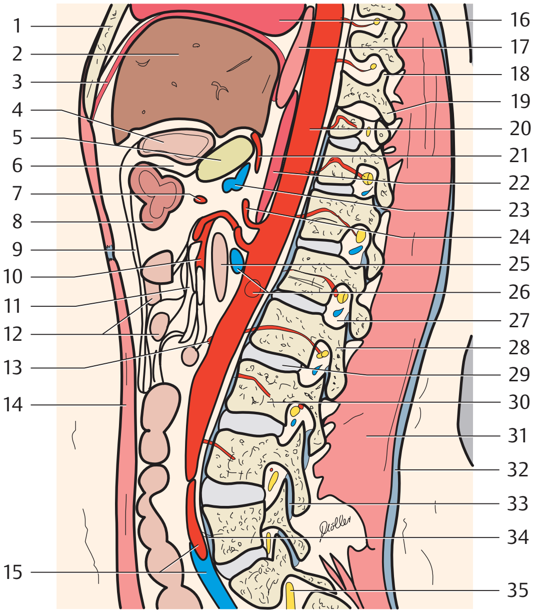




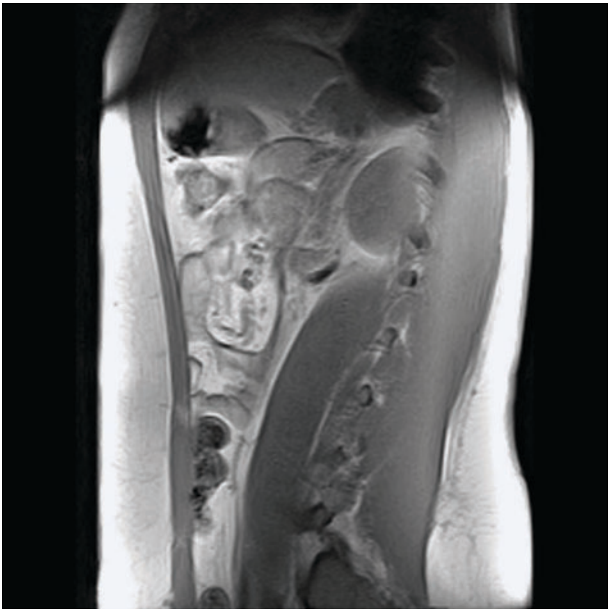

4
1
36
37
38
39
40
41
42

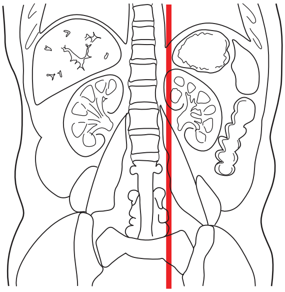
—— = Peritoneum

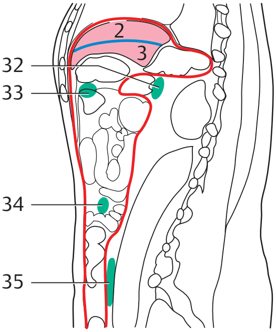
(Numbers indicate liver segments)



1. Sternum
2. Liver
3. Diaphragm
4. Stomach
5. Pancreas
6. Omental bursa
7. Middle colic artery
8. Transverse colon
9. Greater omentum
10. Superior mesenteric artery
11. Mesentery
12. Small intestine
13. Inferior mesenteric artery
14. Rectus abdominis muscle
15. Common iliac artery and vein
16. Heart
17. Esophagus
18. Superior articular process (zygapophysis)
19. Inferior articular process (zygapophysis)
20. Descending aorta
21. Left gastric artery
22. Diaphragm (lumbar part)
23. Hepatic portal vein
24. Celiac trunk
25. Duodenum (descending part)
26. Left renal artery and vein
27. Intervertebral foramen
28. Pedicle
29. Intervertebral disk (L2–L3)
30. Lumbar vertebra (L3)
31. Erector spinae muscle
32. Thoracolumbar fascia
33. Zygapophysial joint
34. Anterior longitudinal ligament
35. Nerve root S1
36. Gastro-omental lymph nodes
37. Pancreatic lymph nodes
38. Coeliac lymph nodes
39. Mesenteric lymph nodes
40. Lumbar lymph nodes
41. Postcaval lymph nodes
42. Common iliac lymph nodes

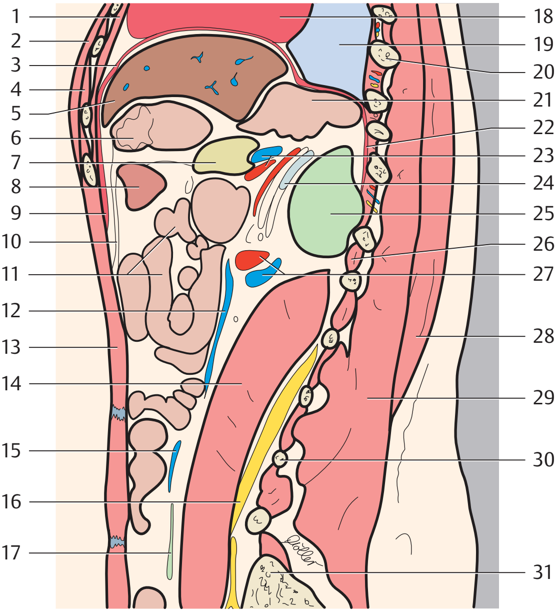




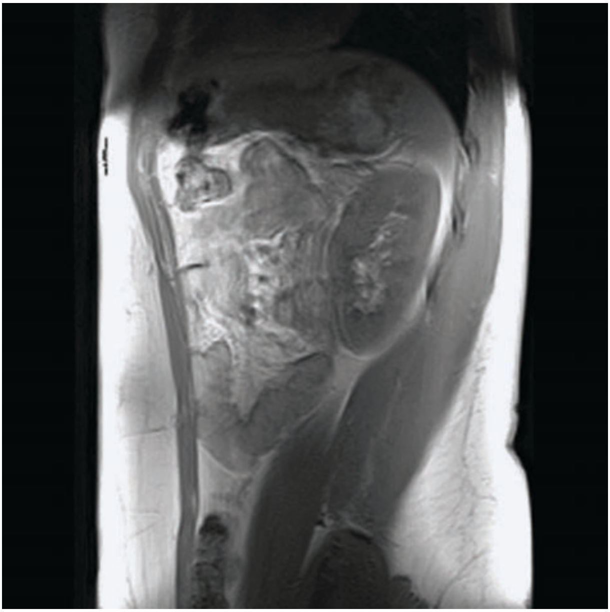

2
3
32
33
34
35

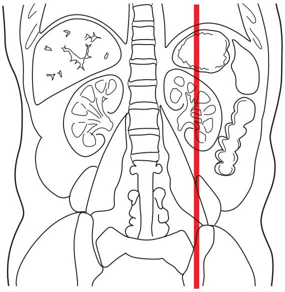
— = Peritoneum

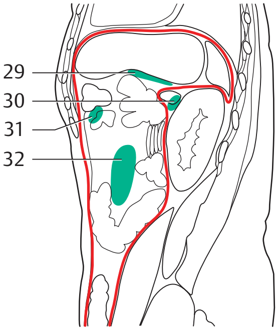
(Numbers indicate liver segments)



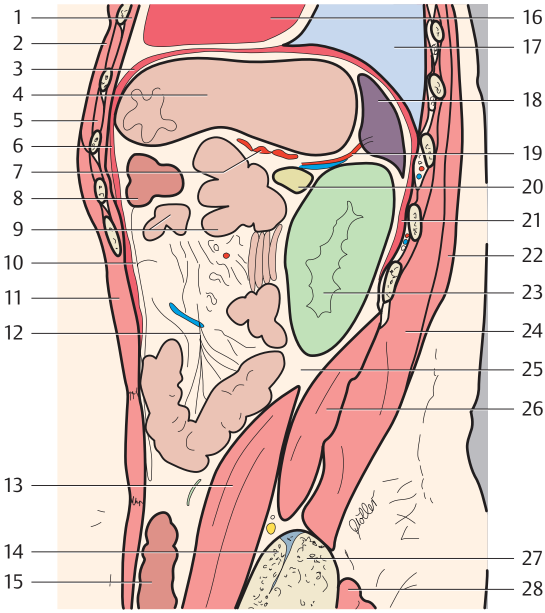
1. Transversus thoracis muscle
2. Pectoralis muscle
3. Diaphragm
4. Intercostalis muscles
5. Liver
6. Stomach (fundus)
7. Pancreas
8. Transverse colon
9. Diaphragm (costal part)
10. Greater omentum
11. Small intestine
12. Inferior mesenteric vein
13. Rectus abdominis muscle
14. Psoas major muscle
15. Ovarian vein
16. Lumbosacral plexus
17. Ureter
18. Heart
19. Lung
20. Rib
21. Cardiac part of stomach (cardiac orifice)
22. Diaphragm (lumbar part)
23. Splenic artery and vein
24. Adrenal gland
25. Left kidney
26. Intertransversarii muscles (lateral lumbar)
27. Renal artery and vein
28. Latissimus dorsi muscle
29. Erector spinae muscle
30. Transverse process (L3)
31. Iliac crest
32. Pancreatic lymph nodes
33. Gastro-omental lymph nodes
34. Juxtaintestinal lymph nodes
35. Common iliac lymph nodes



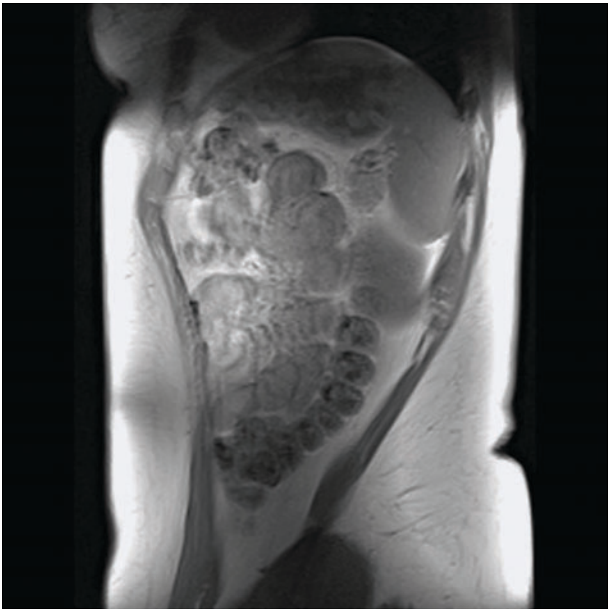


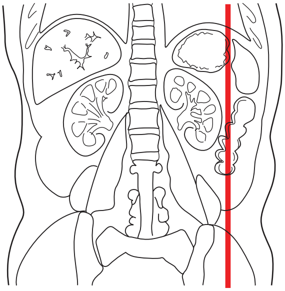


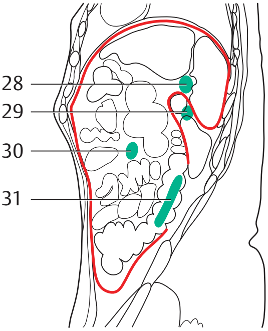
— = Peritoneum



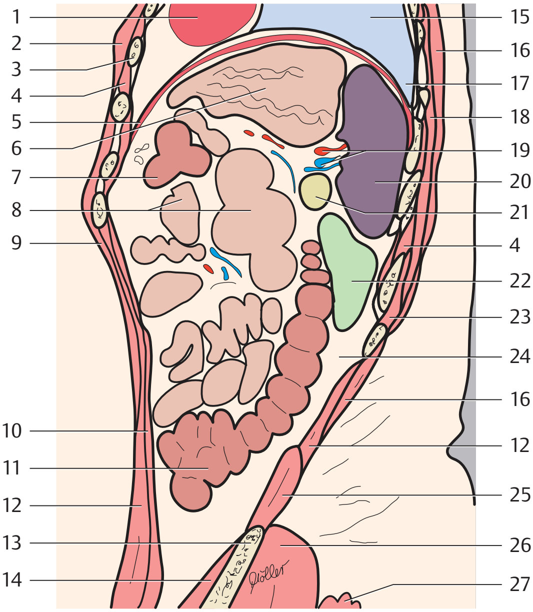
1. Transversus thoracis muscle
2. Pectoralis major muscle
3. Diaphragm
4. Stomach (fundus)
5. Intercostalis muscles
6. Diaphragm (costal part)
7. Gastric artery
8. Transverse colon
9. Small intestine
10. Greater omentum
11. Rectus abdominis muscle
12. Mesentery
13. Psoas major muscle
14. Sacrum (ala)
15. Descending colon
16. Heart
17. Lung
18. Spleen
19. Splenic artery and vein
20. Pancreas
21. Diaphragm (lumbar part)
22. Latissimus dorsi muscle
23. Left kidney
24. Erector spinae muscle
25. Fatty capsule of the kidney
26. Quadratus lumborum muscle
27. Ilium
28. Gluteus maximus muscle
29. Left gastro-omental lymph nodes
30. Pancreatic lymph nodes
31. Right gastro-omental lymph nodes
32. Juxtaintestinal lymph nodes



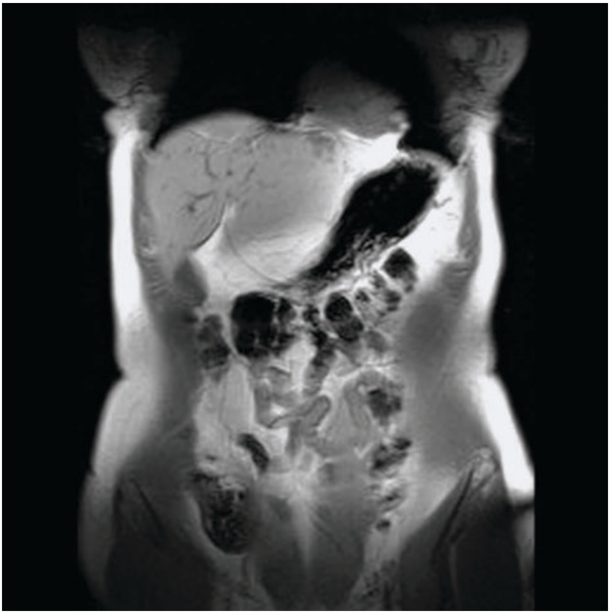


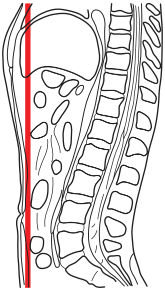


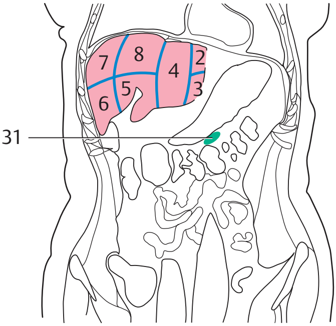
— = Peritoneum



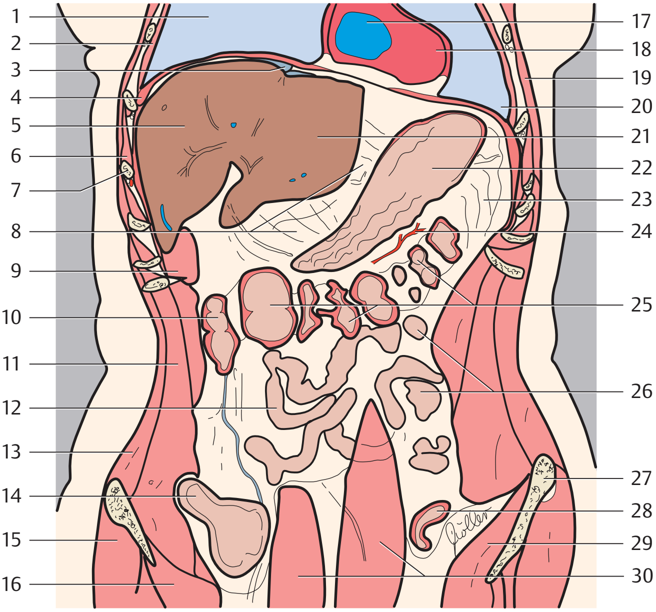
1. Apex of heart
2. Pectoralis major muscle
3. Rib
4. Intercostalis muscles
5. Diaphragm
6. Stomach
7. Transverse colon
8. Small intestine
9. External abdominal oblique muscle
10. Transversus abdominis muscle
11. Descending colon
12. Internal abdominal oblique muscle
13. Iliac spine
14. Iliacus muscle
15. Lung
16. Latissimus dorsi muscle
17. Costodiaphragmatic recess
18. Serratus posterior inferior muscle
19. Splenic artery and vein
20. Spleen
21. Pancreas
22. Left kidney
23. Erector spinae muscle (iliocostalis lumborum muscle)
24. Fatty capsule of the kidney
25. Quadratus lumborum muscle
26. Gluteus medius muscle
27. Gluteus maximus muscle
28. Splenic lymph nodes
29. Pancreatic lymph nodes
30. Juxtaintestinal lymph nodes
31. Paracolic lymph nodes



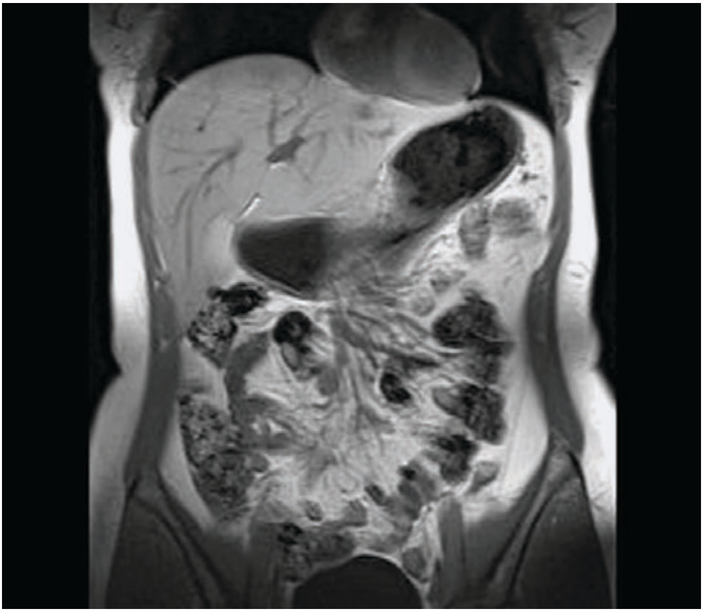


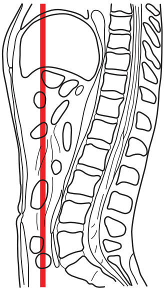


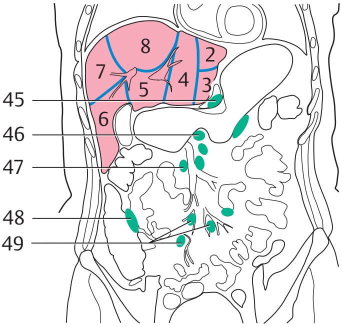
(Numbers indicate liver segments)



1. Right lung
2. Parietal pleura (costal part) and muscles of thorax (innermost and internal intercostal muscles)
3. Falciform ligament of liver
4. Diaphragm
5. Liver (right lobe)
6. External intercostal muscle
7. Rib (7)
8. Lesser omentum
9. Transversus abdominis muscle
10. Right colon flexure
11. Internal abdominal oblique muscle
12. Ileum
13. External abdominal oblique muscle
14. Cecum
15. Gluteus medius muscle
16. Iliopsoas muscle
17. Right ventricle
18. Apex of heart
19. Serratus anterior muscle
20. Left lung (costodiaphragmatic recess)
21. Left lobe of liver
22. Stomach
23. Greater omentum
24. Right gastroepiploic artery
25. Transverse colon
26. Jejunum
27. Anterior superior iliac spine
28. Sigmoid colon
29. Iliacus muscle
30. Rectus abdominis muscle
31. Gastro-omental lymph nodes

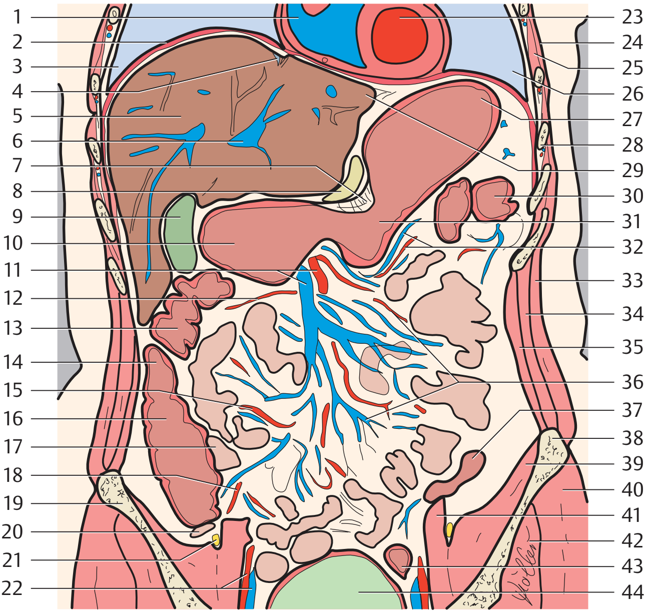




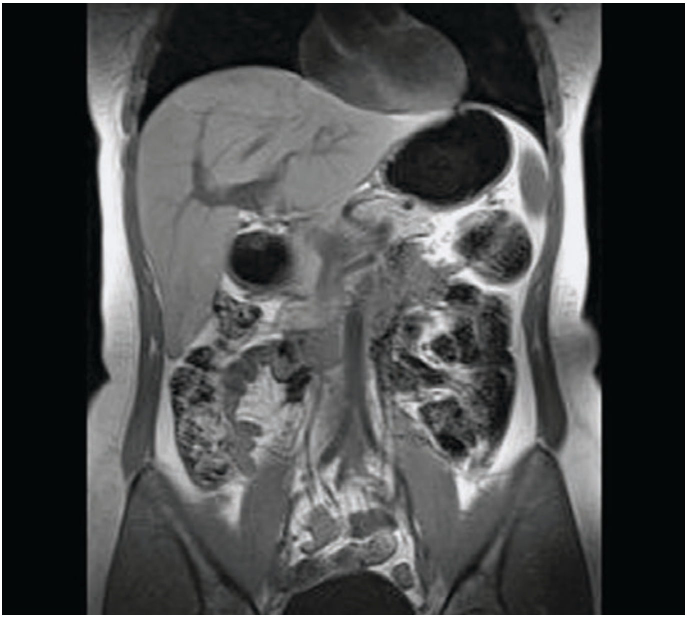

8
7
2
4
5
3
6
45
46
47
48
49

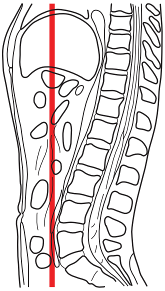
(Numbers indicate liver segments)

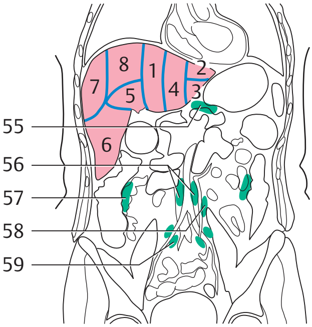
1. Right ventricle
2. Diaphragm
3. Right lung (costodiaphragmatic recess)
4. Falciform ligament of liver
5. Right lobe of liver



6. Hepatic portal vein
7. Omental bursa
8. Pancreas (body)
9. Gallbladder
10. Stomach (antrum)
11. Superior mesenteric artery and vein
12. Right colic artery
13. Right colon flexure
14. Ascending colon
15. Ileocolic artery
16. Cecum
17. Terminal ileum
18. Appendicular artery
19. Ilium
20. Vermiform appendix
21. Femoral nerve
22. External iliac artery and vein
23. Left ventricle
24. Serratus anterior muscle
25. External intercostal muscle
26. Left lung (costodiaphragmatic recess)
27. Stomach (fundus)
28. Rib (7)
29. Left lobe of liver
30. Left colic flexure
31. Stomach (body)
32. Left gastroepiploic artery and vein
33. External abdominal oblique muscle
34. Internal abdominal oblique muscle
35. Transversus abdominis muscle
36. Jejunal and ileal arteries
37. Descending colon
38. Iliac crest
39. Iliacus muscle
40. Gluteus medius muscle
41. Psoas major muscle
42. Gluteus minimus muscle
43. Sigmoid colon
44. Urinary bladder
45. Gastro-omental lymph nodes
46. Coeliac lymph nodes
47. Superior mesenteric lymph nodes
48. Paracolic lymph nodes
49. Juxtaintestinal lymph nodes

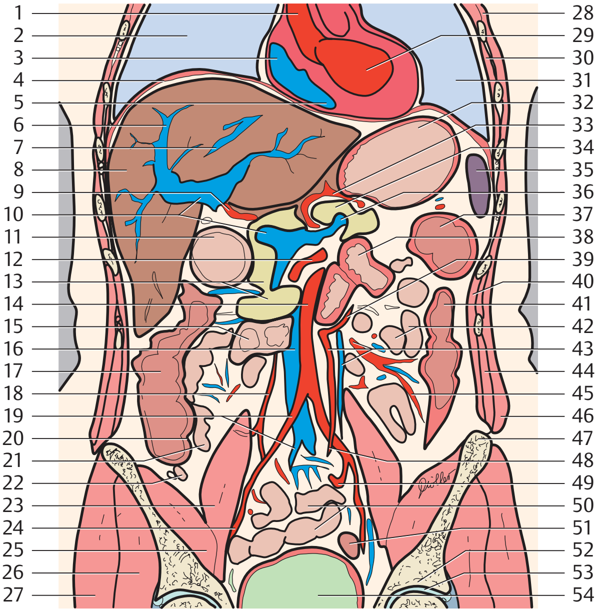




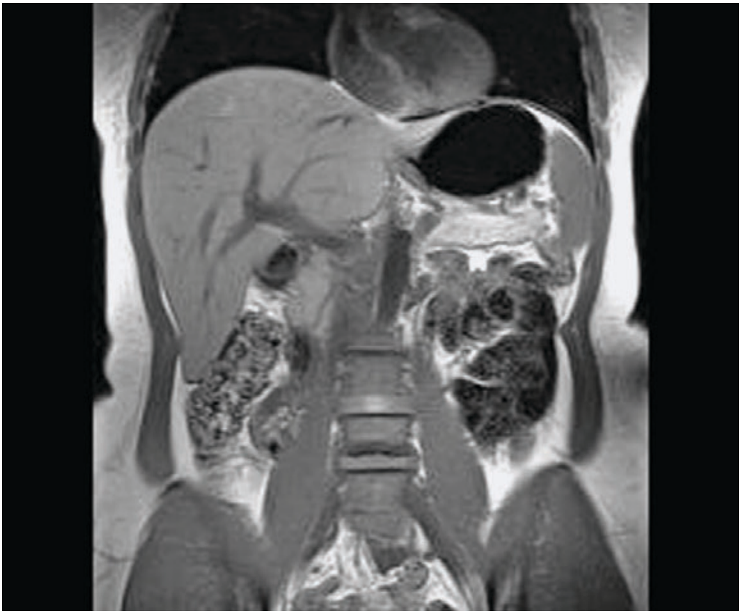


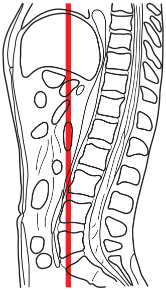
(Numbers indicate liver segments)

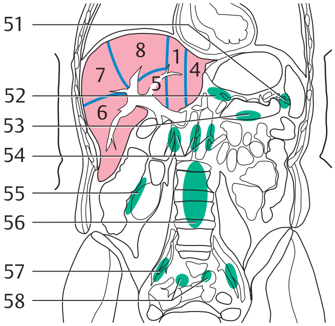
1. Ascending aorta
2. Right lung
3. Right atrium
4. Diaphragm
5. Right ventricle
6. Hepatic portal vein (right branch)
7. Right hepatic vein
8. Liver (right lobe)
9. Hepatic artery
10. Hepatic portal vein
11. Stomach (antrum)
12. Superior mesenteric artery
13. Pancreas (head)
14. Aorta


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54

15. Duodenum
16. Inferior vena cava
17. Ascending colon
18. Ileocolic artery
19. Common iliac artery and vein
20. Ileocecal valve
21. Terminal ileum
22. Vermiform appendix
23. Psoas major muscle
24. External iliac artery and vein
25. Iliacus muscle
26. Gluteus minimus muscle
27. Gluteus medius muscle
28. Serratus anterior muscle
29. Left ventricle
30. External intercostal muscle
31. Left lung
32. Stomach (fundus)
33. Splenic artery
34. Pancreas (body)
35. Spleen
36. Splenic vein
37. Left colic flexure
38. Duodenum (horizontal part)
39. Left colic artery
40. Transversus abdominis muscle
41. Descending colon
42. Jejunum
43. Inferior mesenteric artery and vein
44. Internal abdominal oblique muscle
45. Sigmoid arteries
46. External oblique muscle
47. Iliac crest
48. Superior rectal artery
49. Internal iliac artery
50. Ileum
51. Sigmoid colon
52. Ilium (acetabular roof)
53. Hip joint
54. Urinary bladder
55. Gastro-omental lymph nodes
56. Lumbar lymph nodes (preaortic lymph nodes)
57. Paracolic lymph nodes
58. Inferior mesenteric lymph nodes
59. Common iliac lymph nodes

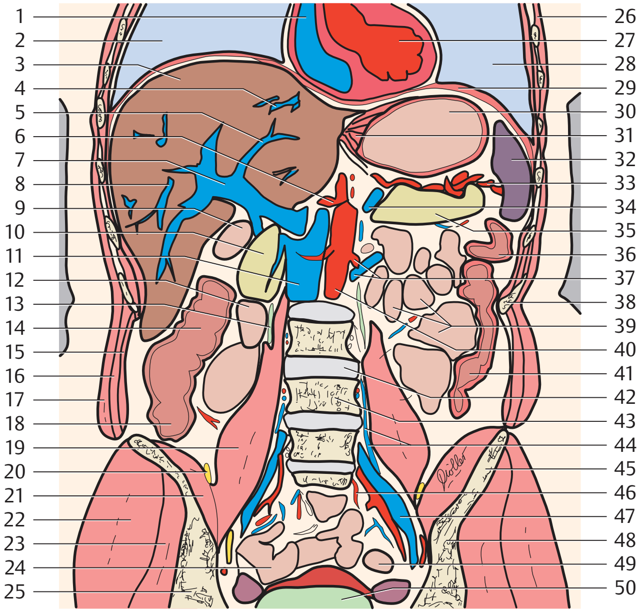




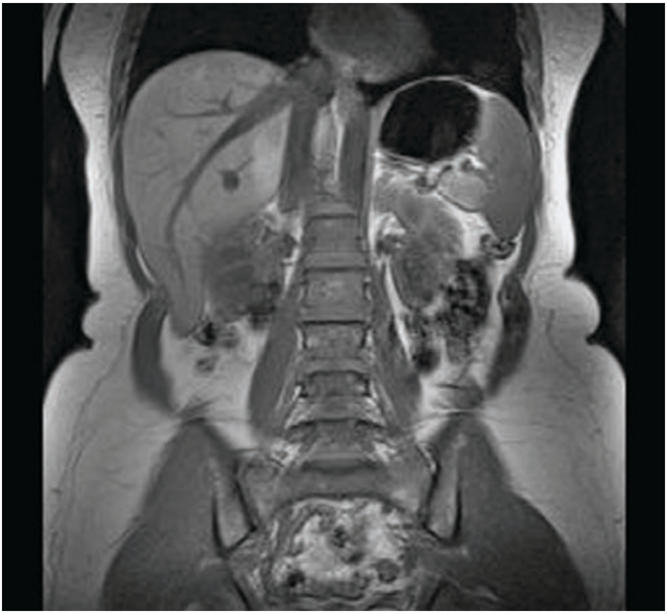

51
52
53
54
55
56
57
58
8
1
7
4
5
6

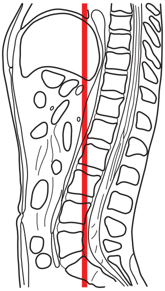
(Numbers indicate liver segments)

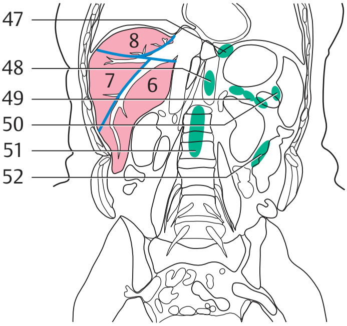
1. Right atrium
2. Right lung
3. Liver (right lobe)
4. Hepatic veins
5. Hepatic portal vein (left branch)
6. Celiac trunk
7. Hepatic portal vein
8. Right hepatic veins



9. Stomach (pylorus)
10. Pancreas (head)
11. Inferior vena cava
12. Duodenum
13. Ureter
14. Ascending colon
15. Transversus abdominis muscle
16. Internal abdominal oblique muscle
17. External abdominal oblique muscle
18. Cecum
19. Psoas major muscle
20. Femoral nerve
21. Iliacus muscle
22. Gluteus medius muscle
23. Gluteus minimus muscle
24. Ileum
25. Ilium
26. Serratus anterior muscle
27. Left ventricle
28. Left lung
29. Diaphragm
30. Stomach (fundus)
31. Stomach (cardia)
32. Spleen
33. Splenic artery
34. Splenic vein
35. Pancreas (tail)
36. Left colic flexure
37. Left renal artery and vein
38. Rib (11)
39. Jejunum
40. Abdominal aorta
41. Descending colon
42. Intervertebral disk (L3–L4)
43. Lumbar vertebra (L4)
44. Ascending lumbar vein
45. Iliac crest
46. Superior rectal artery
47. Internal iliac artery and vein
48. Ilium
49. Sigmoid colon
50. Urinary bladder
51. Splenic lymph nodes
52. Gastro-omental lymph nodes
53. Pancreatic lymph nodes
54. Lumbar lymph nodes
55. Paracolic lymph nodes
56. Prevertebral lymph nodes
57. Internal iliac lymph nodes
58. Juxtaintestinal lymph nodes

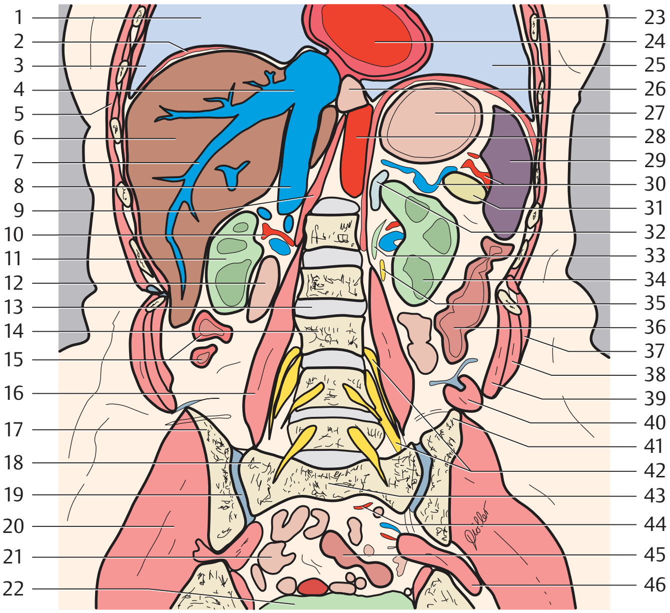




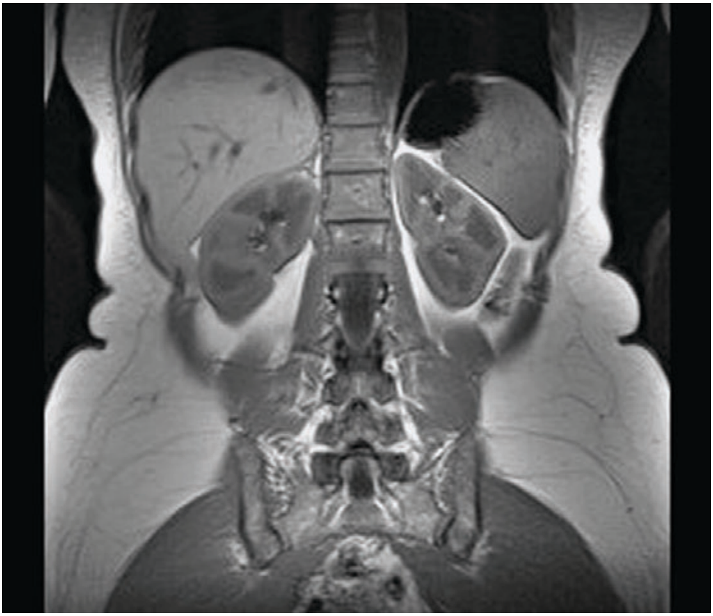


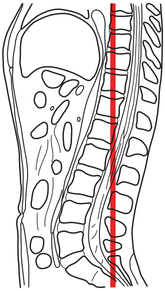
(Numbers indicate liver segments)

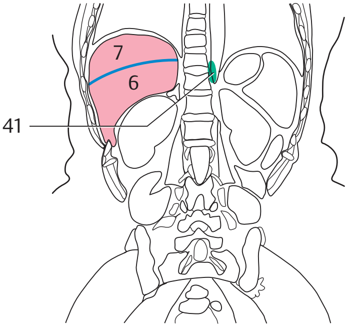
1. Right lung
2. Diaphragm
3. Costodiaphragmatic recess
4. Hepatic veins
5. Serratus anterior muscle
6. Liver (right lobe)
7. Right hepatic veins (right branch)
8. Inferior vena cava
9. Diaphragm (lumbar part, right crus)
10. Renal artery
11. Right kidney
12. Duodenum (descending part)
13. Intervertebral disk (L2–L3)


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46

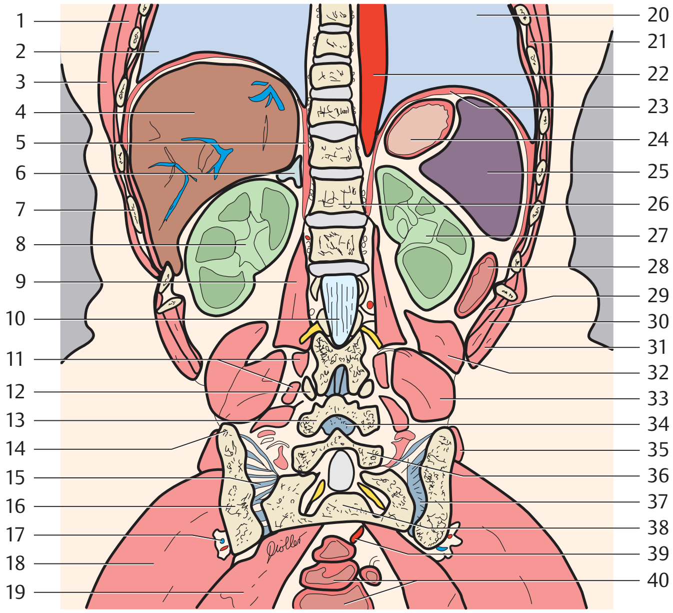
14. Lumbar vertebra (L3)
15. Ascending colon
16. Psoas major muscle
17. Ilium (ala)
18. Sacrum (ala)
19. Sacroiliac joint
20. Gluteus medius muscle
21. Small intestine
22. Urinary bladder
23. Rib (7)
24. Left ventricle
25. Left lung
26. Esophagus (hiatus) with vagal trunk
27. Stomach
28. Descending aorta
29. Spleen
30. Splenic artery and vein
31. Pancreas (tail)
32. Suprarenal gland
33. Ureter
34. Left kidney
35. Sympathetic trunk
36. Descending colon
37. External abdominal oblique muscle
38. Internal abdominal oblique muscle
39. Transversus abdominis muscle
40. Quadratus lumborum muscle
41. Iliac crest
42. Lumbar plexus
43. Sacrum
44. Superior rectal artery
45. Sigmoid colon
46. Piriformis muscle
47. Superior phrenic lymph nodes
48. Inferior phrenic lymph nodes
49. Pancreatic lymph nodes
50. Splenic lymph nodes
51. Prevertebral lymph nodes
52. Paracolic lymph nodes



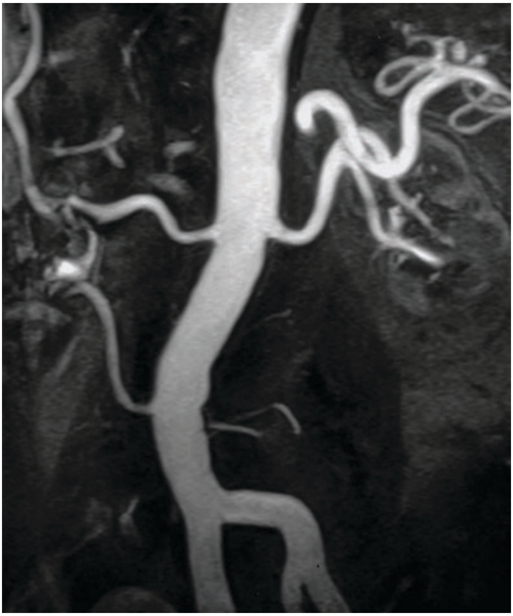


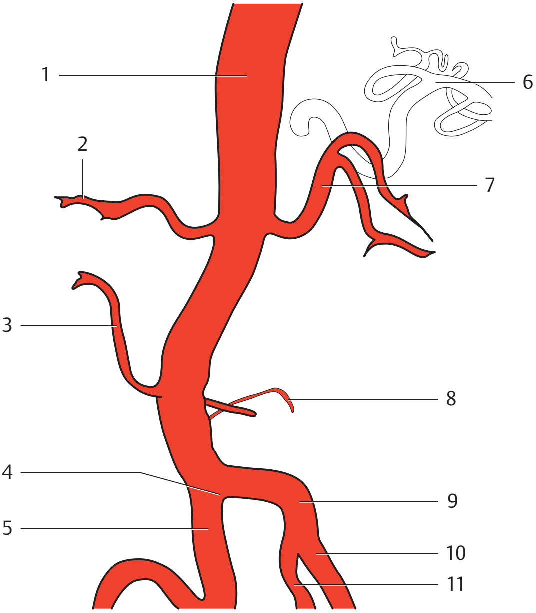


(Numbers indicate liver segments)

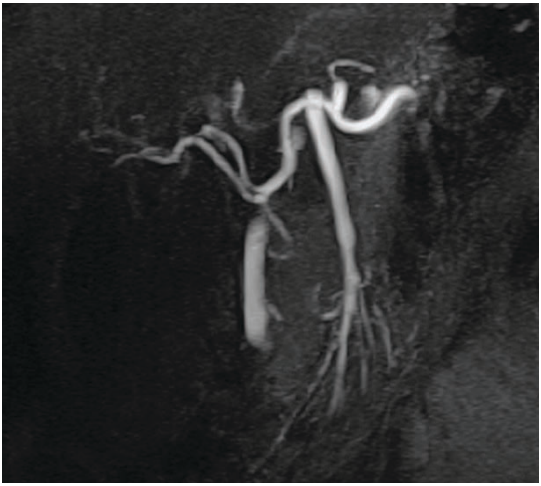


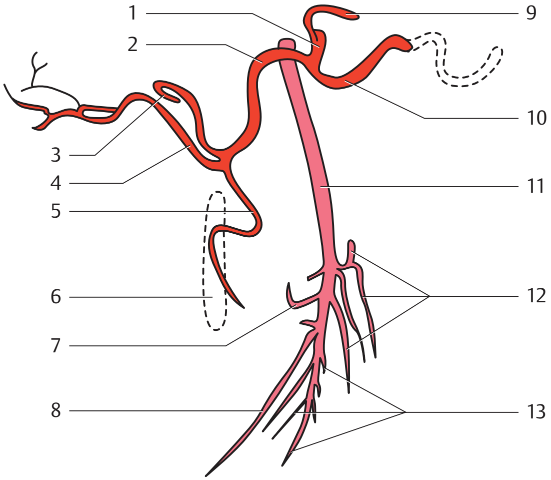
1. Serratus anterior muscle
2. Right lung
3. Latissimus dorsi muscle
4. Liver (right lobe)
5. Diaphragm (lumbar part, right crus)
6. Suprarenal gland
7. Rib (11)
8. Right kidney
9. Psoas major muscle
10. Spinal canal with cauda equina
11. Transversospinales muscles
12. Superior articular process (zygapophysis) (of L4)
13. Inferior articular process (zygapophysis) (of L4)
14. Iliac crest
15. Dorsal sacroiliac ligaments
16. Ilium (ala)
17. Superior gluteal artery and vein
18. Gluteus maximus muscle
19. Piriformis muscle
20. Left lung
21. External intercostal muscle
22. Thoracic aorta
23. Diaphragm
24. Stomach
25. Spleen
26. Thoracic vertebra (T12)
27. Left kidney
28. Descending colon
29. Transversus abdominis muscle
30. Internal abdominal oblique muscle
31. External abdominal oblique muscle
32. Quadratus lumborum muscle
33. Iliocostalis muscle
34. Ligamenta flava
35. Gluteus medius muscle
36. Vertebral arch (lamina of L5)
37. Sacroiliac joint
38. Sacrum
39. Superior rectal artery
40. Rectum
41. Superior phrenic lymph nodes



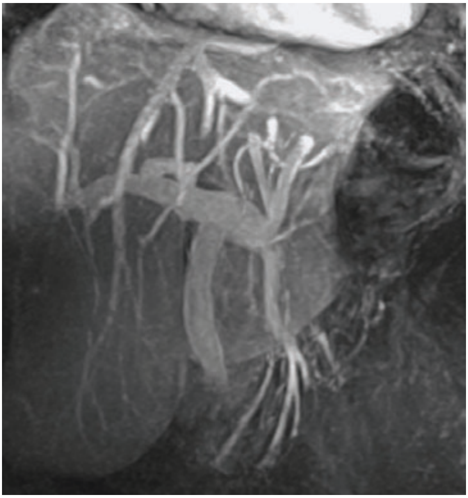


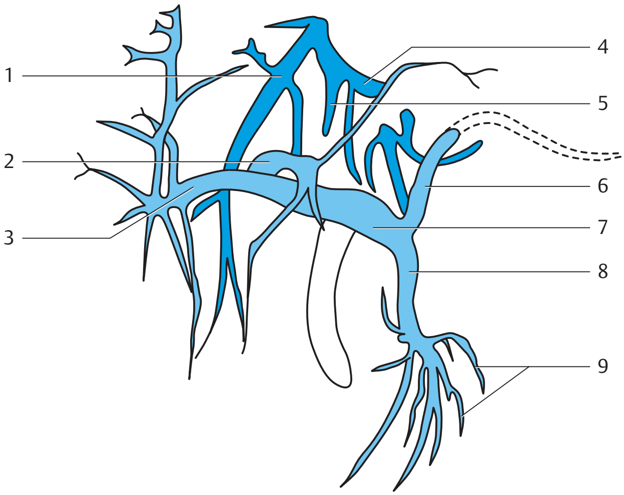
1. Abdominal aorta
2. Right renal artery
3. Inferior capsular branch of the renal artery
4. Aortic bifurcation
5. Common right iliac artery
6. Splenic artery
7. Left renal artery
8. Lumbar arteries
9. Common left iliac artery
10. External iliac artery
11. Internal iliac artery



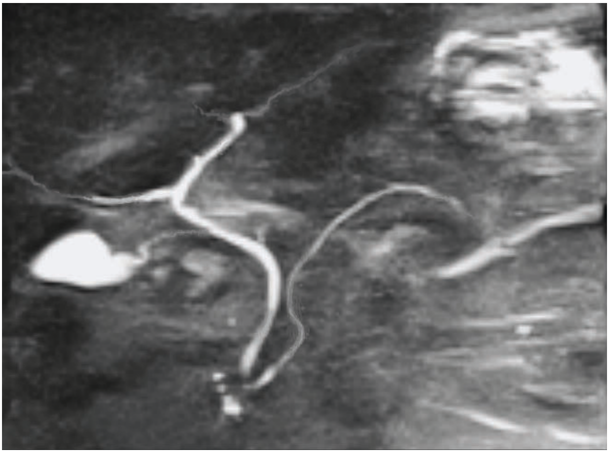


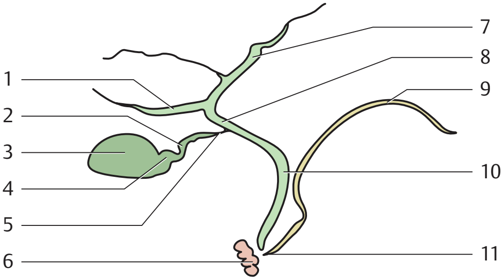
1. Celiac trunk
2. Common hepatic artery
3. Left hepatic artery
4. Right hepatic artery
5. Gastroduodenal artery
6. Abdominal aorta
7. Right colic artery
8. Ileocolic artery
9. Left gastric artery
10. Splenic artery
11. Superior mesenteric artery
12. Jejunal arteries
13. Ileal arteries



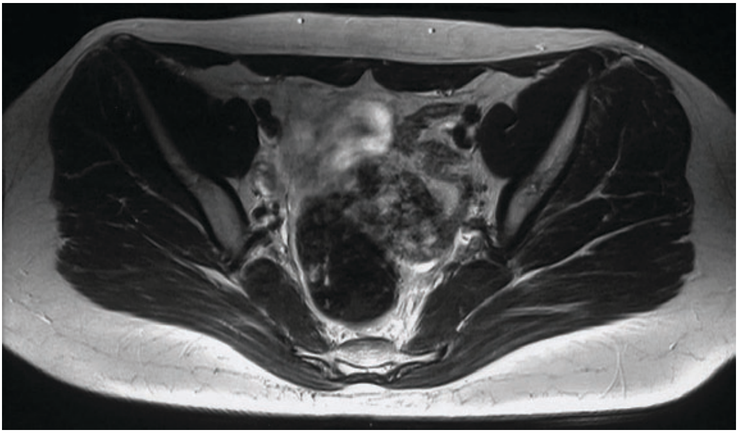


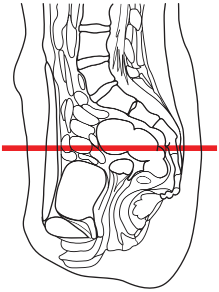
1. Right hepatic vein
2. Left branch of portal vein
3. Right branch of portal vein
4. Left hepatic vein
5. Intermediate hepatic vein
6. Splenic vein
7. Portal vein
8. Superior mesenteric vein
9. Jejunal and ileal veins

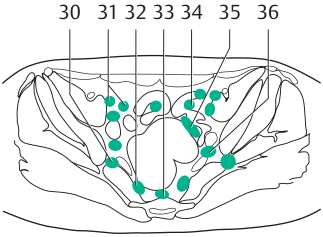


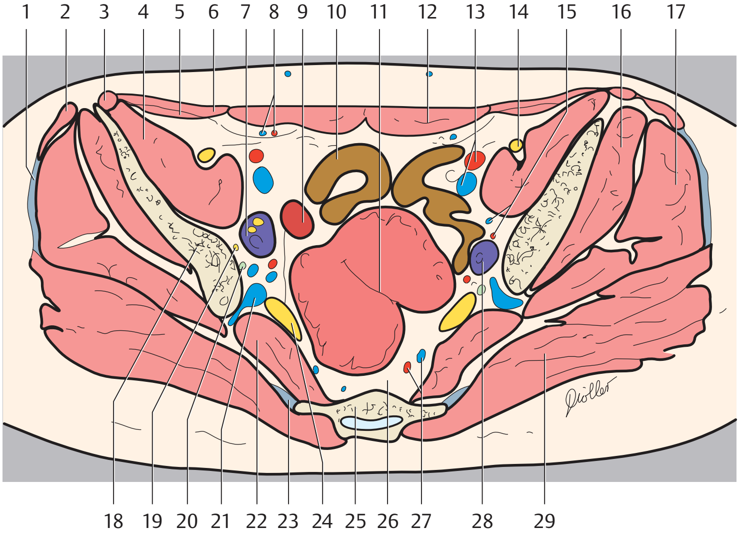


1. Right hepatic duct	6. Duodenum
2. Cystic duct (spiral fold)	7. Left hepatic duct
3. Body of gallbladder	8. Common hepatic duct
4. Neck of gallbladder	9. Pancreatic duct
5. Cystic duct (pars flaccida, straight part)	10. Common bile duct
	11. Duodenal papilla

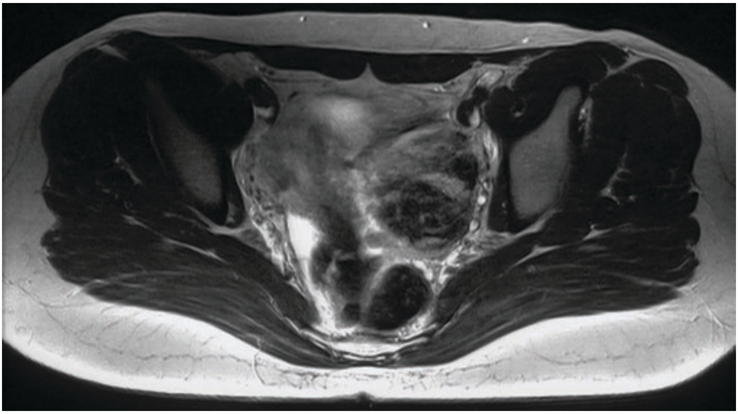


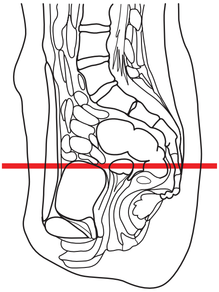


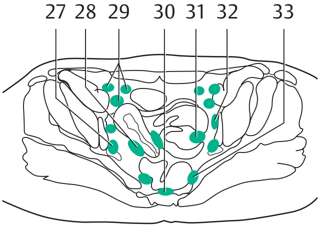

30
31
32
33
34
35
36

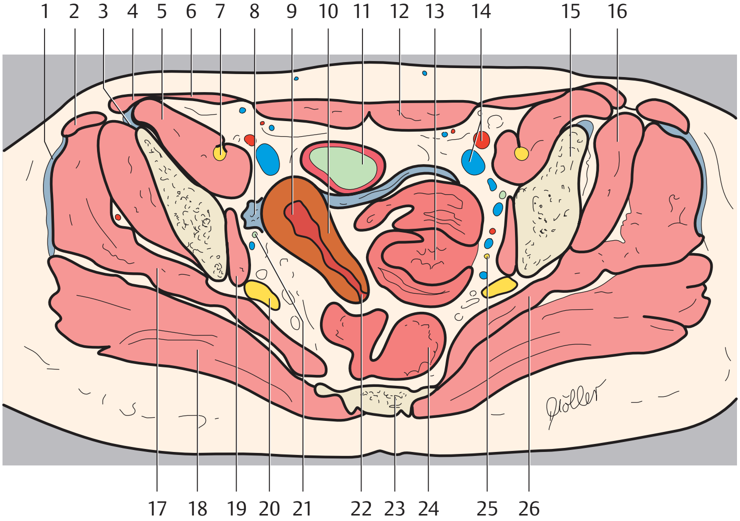


1. Gluteal aponeurosis
2. Tensor fasciae latae muscle
3. Sartorius muscle
4. Iliacus muscle
5. Transversus abdominis muscle
6. Internal abdominal oblique muscle
7. Right ovary
8. Inferior epigastric artery and vein
9. Uterus
10. Ileum
11. Sigmoid colon (distal part)
12. Rectus abdominis muscle
13. External iliac artery and vein
14. Femoral nerve
15. Ovarian artery and vein
16. Gluteus minimus muscle
17. Gluteus medius muscle
18. Ilium
19. Internal obturator nerve
20. Ureter
21. Superior gluteal vein and internal iliac vein
22. Piriformis muscle
23. Sacrotuberous ligament
24. Sciatic nerve
25. Sacrum
26. Presacral space
27. Superior rectal artery and vein
28. Left ovary
29. Gluteus maximus muscle
30. Superior gluteal lymph nodes
31. External iliac lymph nodes
32. Pararectal lymph nodes
33. Sacral lymph nodes
34. Juxtaintestinal lymph nodes
35. Paracolic lymph nodes
36. Internal iliac lymph nodes

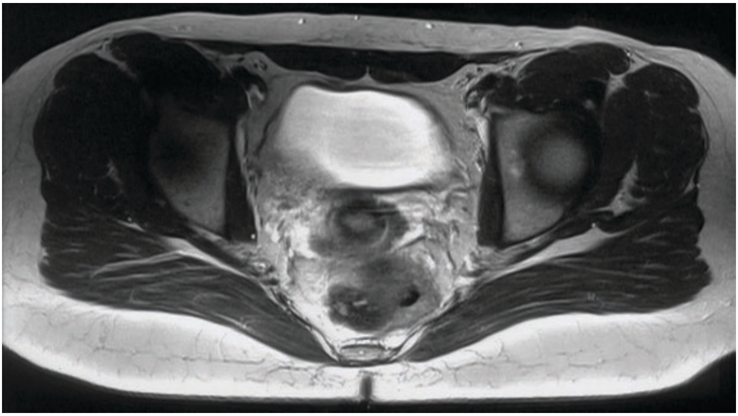


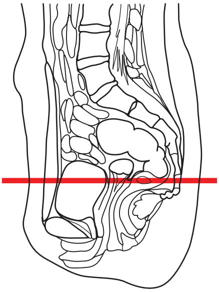


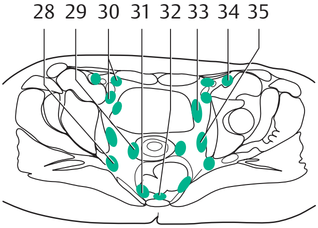

27
28
29
30
31
32
33

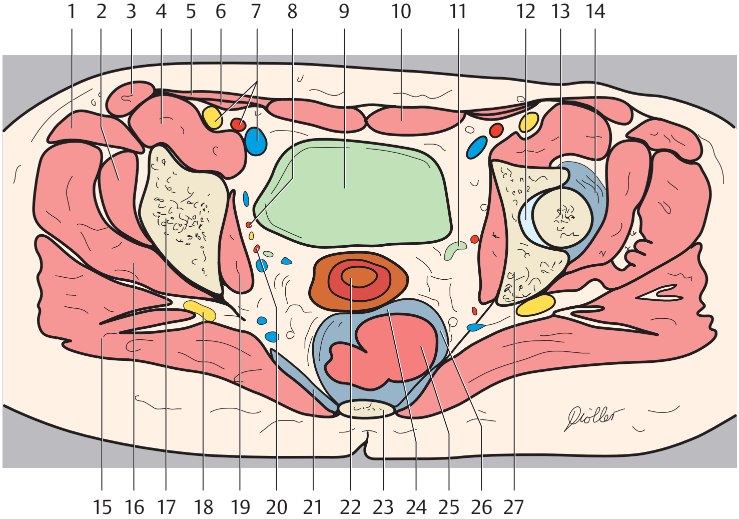


1. Gluteal aponeurosis
2. Tensor fasciae latae muscle
3. Rectus femoris muscle
4. Sartorius muscle
5. Iliopsoas muscle
6. Internal abdominal oblique muscle and transversus abdominis muscle
7. Femoral nerve
8. Round ligament of uterus
9. Uterus (cavity)
10. Uterus (fundus)
11. Urinary bladder
12. Rectus abdominis muscle
13. Small intestine
14. External iliac artery and vein
15. Ilium
16. Gluteus minimus muscle
17. Gluteus medius muscle
18. Gluteus maximus muscle
19. Obturator internus muscle
20. Sciatic nerve
21. Ureter
22. Uterus (cervix)
23. Sacrum
24. Rectum
25. Obturator nerve
26. Piriformis muscle
27. Superior gluteal lymph nodes
28. Parauterine lymph nodes
29. External iliac lymph nodes
30. Sacral lymph nodes
31. Juxta-intestinal lymph nodes
32. Obturator lymph nodes
33. Pararectal lymph nodes

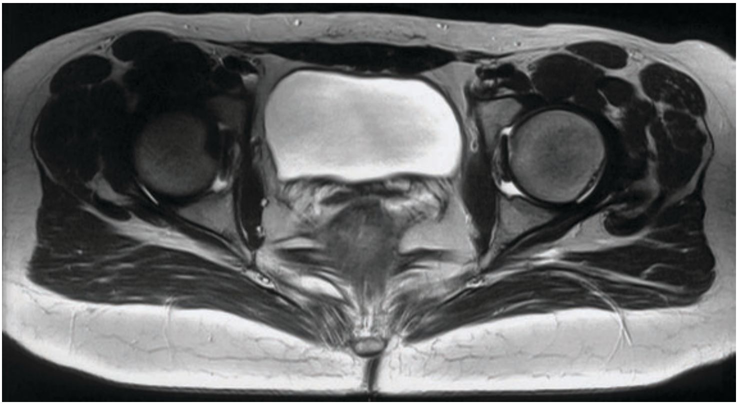


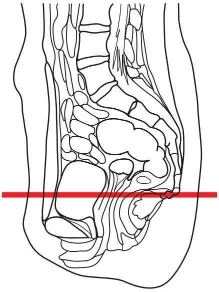


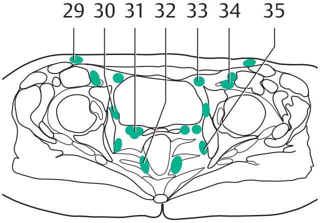

28
29
30
31
32
33
34
35

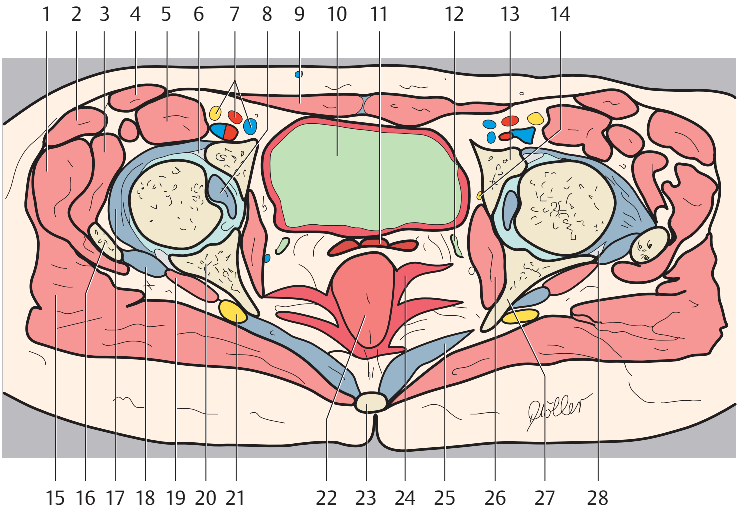


1. Tensor fasciae latae muscle and rectus femoris muscle
2. Gluteus minimus muscle
3. Sartorius muscle
4. Iliopsoas muscle
5. Internal abdominal oblique muscle
6. Transversus abdominis muscle
7. Femoral nerve and external iliac artery and vein
8. Obturator artery
9. Urinary bladder
10. Rectus abdominis muscle
11. Ureter
12. Hip joint
13. Head of femur
14. Joint capsule
15. Gluteus maximus muscle
16. Gluteus medius muscle
17. Acetabular roof
18. Sciatic nerve
19. Obturator internus muscle
20. Internal iliac artery and vein
21. Sacrospinous ligament
22. Uterus (vaginal part)
23. Sacrum
24. Rectouterine pouch (of Douglas)
25. Rectum
26. Uterosacral ligament
27. Ilium
28. Superior gluteal lymph nodes
29. Parauterine lymph nodes
30. External iliac lymph nodes
31. Pararectal lymph nodes
32. Sacral lymph nodes
33. Paravesical lymph nodes
34. Deep ingual lymph node
35. Obturator lymph nodes

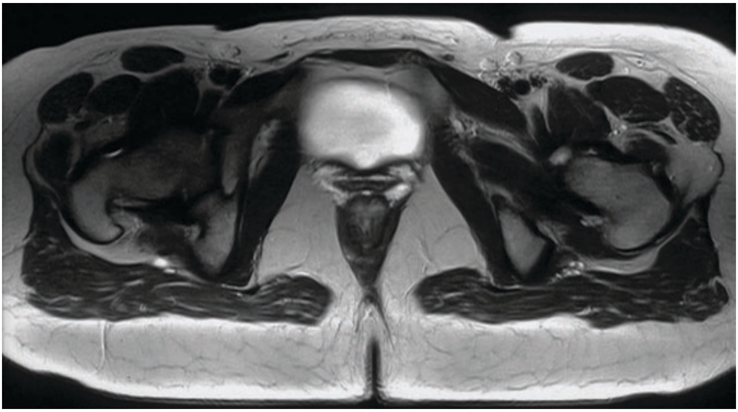


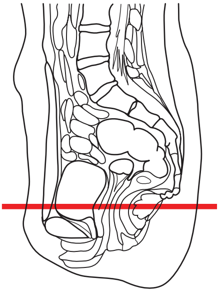


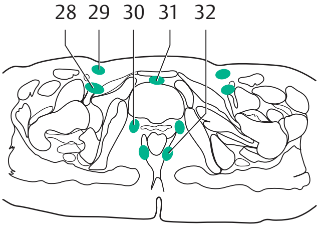

29
30
31
32
33
34
35

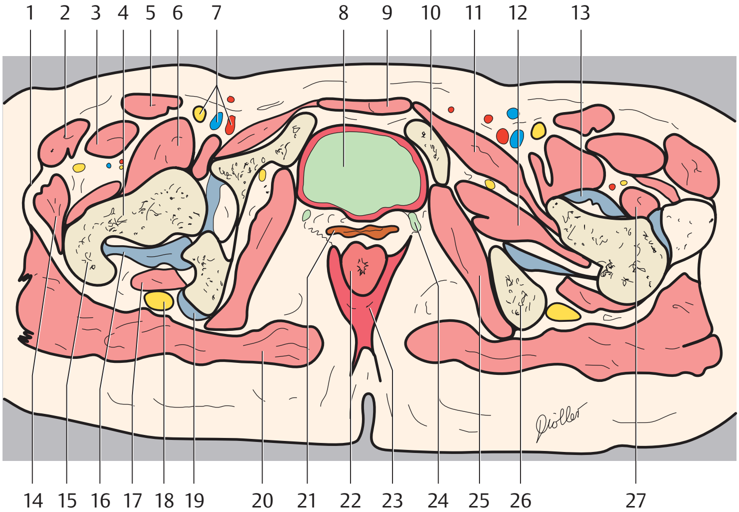


1. Gluteus medius muscle
2. Tensor fasciae latae muscle
3. Gluteus minimus muscle
4. Sartorius muscle
5. Iliopsoas muscle and rectus femoris muscle
6. Acetabular lip (anterior part)
7. Femoral artery, vein and nerve
8. Ligament of head of femur
9. Rectus abdominis muscle
10. Urinary bladder
11. Vagina
12. Ureter
13. Ilium
14. Obturator nerve
15. Gluteus maximus muscle
16. Greater trochanter
17. Joint capsule
18. Piriformis muscle (tendon)
19. Gemellus superior muscle
20. Ilium
21. Sciatic nerve
22. Rectum
23. Coccyx
24. Levator ani muscle
25. Sacrospinous ligament
26. Obturator internus muscle
27. Ischial spine
28. Acetabular lip (posterior part)
29. Superficial inguinal lymph nodes
30. Paravesical lymph nodes
31. Postvesical and paravaginal lymph nodes
32. Pararectal lymph nodes
33. Medial lacunar lymph node (Rosenmüller-Cloquet)
34. Deep inguinal lymph nodes
35. Obturator lymph nodes

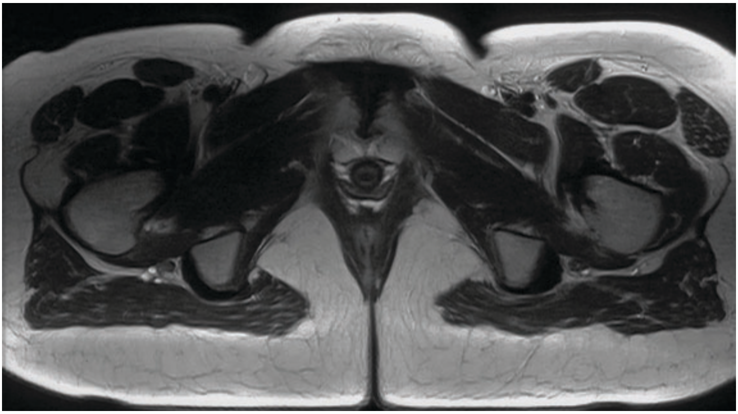


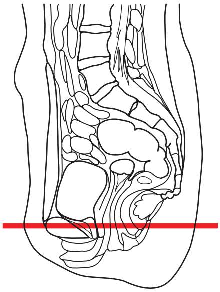


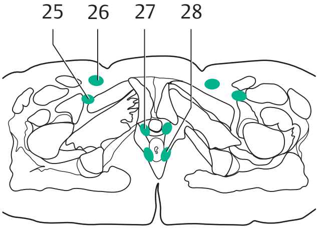

28
29
30
31
32

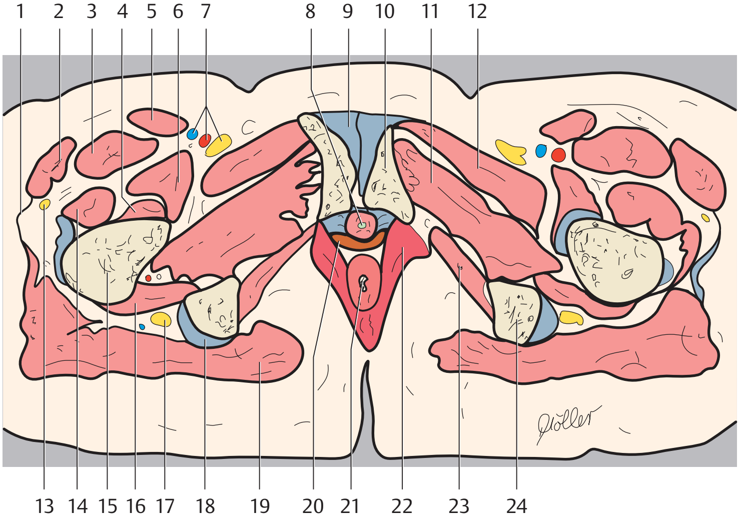


1. Iliotibial tract
2. Tensor fasciae latae muscle
3. Rectus femoris muscle
4. Femur (head)
5. Sartorius muscle
6. Iliopsoas muscle
7. Femoral artery, vein and nerve
8. Urinary bladder
9. Rectus abdominis muscle
10. Pubis (superior ramus)
11. Pectineus muscle
12. Obturator externus muscle
13. Iliofemoral ligament
14. Gluteus medius muscle
15. Greater trochanter
16. Obturator externus muscle (tendon)
17. Quadratus femoris muscle and gemellus inferior muscles
18. Sciatic nerve
19. Obturator internus muscle (tendon)
20. Gluteus maximus muscle
21. Vagina
22. Rectum
23. Levator ani muscle
24. Ureter
25. Obturator internus muscle
26. Ischium (tuberosity)
27. Vastus lateralis muscle
28. Deep inguinal lymph nodes
29. Superficial inguinal lymph nodes
30. Postvesical and paravaginal lymph nodes
31. Prevesical lymph nodes
32. Rectal lymph nodes

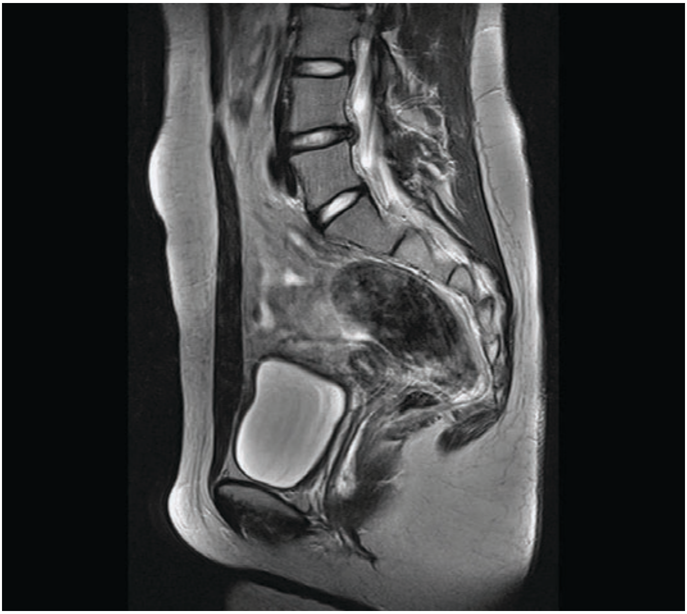


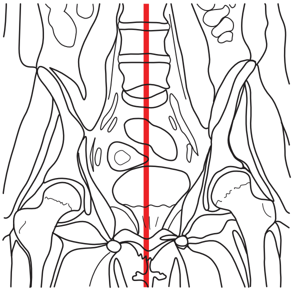


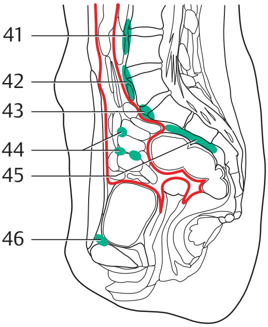

25
26
27
28



1. Iliotibial tract
2. Tensor fasciae latae muscle
3. Rectus femoris muscle
4. Vastus intermedius muscle
5. Sartorius muscle
6. Iliopsoas muscle
7. Femoral artery, vein and nerve
8. Urethra
9. Pubic symphysis
10. Pubis (body)
11. Obturator externus muscle
12. Pectineus muscle
13. Lateral femoral cutaneous nerve
14. Vastus lateralis muscle
15. Femur
16. Quadratus femoris muscle
17. Sciatic nerve
18. Common tendon of biceps femoris, semitendinosus, and semimembranosus muscles
19. Gluteus maximus muscle
20. Vagina
21. Rectum
22. Levator ani muscle
23. Obturator internus muscle
24. Ischium (tuberosity)
25. Deep inguinal lymph node
26. Superficial inguinal lymph nodes
27. Paravaginal lymph nodes
28. Pararectal lymph nodes

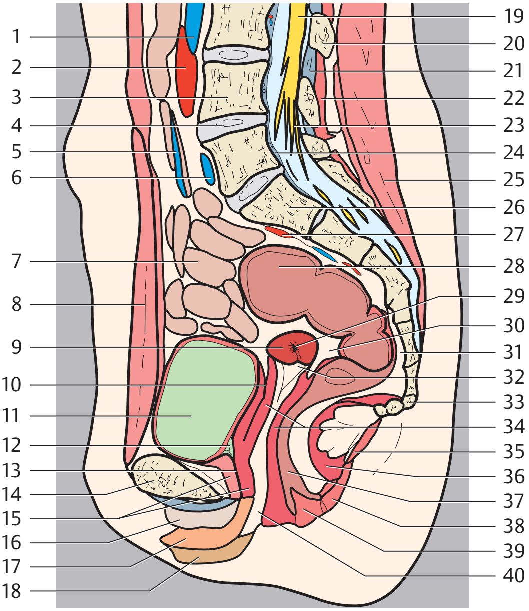




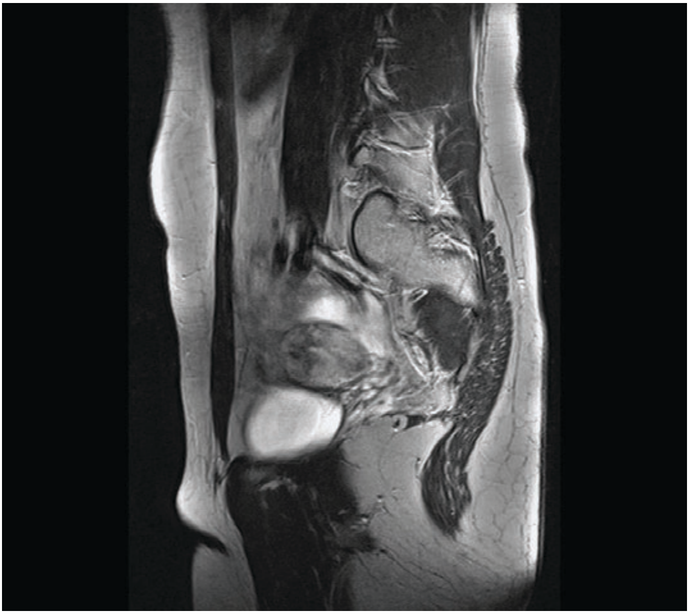


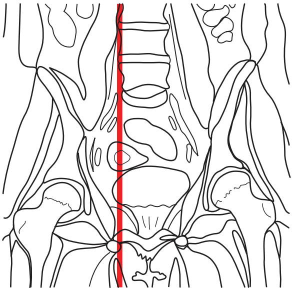
— = Peritoneum

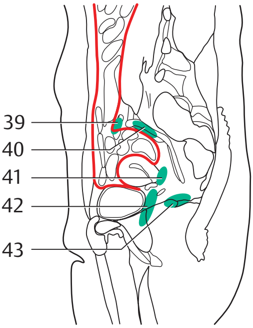
1. Inferior vena cava
2. Aorta
3. Lumbar vertebra (L4)
4. Intervertebral disk L4–L5
5. Jejunal veins



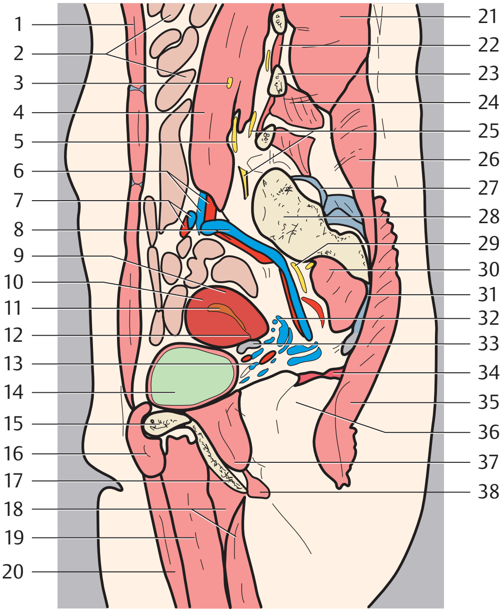
6. Common iliac vein
7. Small intestine
8. Rectus abdominis muscle
9. Portio
10. Vesicouterine pouch
11. Urinary bladder
12. Internal urethral orifice
13. Urethra
14. Pubis
15. Urethral sphincter muscle and deep transverse perineal muscle
16. Clitoris (body)
17. Labium minus
18. Labium majus
19. Spinal cord
20. Spinous process
21. Ligamenta flava
22. Lumbar interspinal muscles
23. Cauda equina
24. Posterior longitudinal ligament
25. Erector spinae muscle
26. Sacrum (1)
27. Superior rectal artery
28. Rectum
29. Canalis cervicis
30. Rectouterine pouch (of Douglas)
31. Presacral space
32. Ostium uteri (opening between uterus and vagina)
33. Coccyx
34. Anterior und posterior wall of vagina
35. Anococcygeal ligament
36. Levator ani muscle
37. Anal canal
38. External anal sphincter muscle
39. Anus
40. Vagina
41. Prevertebral and lumbar lymph nodes
42. Common iliac lymph nodes
43. Promontorial lymph nodes
44. Juxta-intestinal mesenteric lymph nodes
45. Presacral lymph nodes
46. Prevesical lymph node



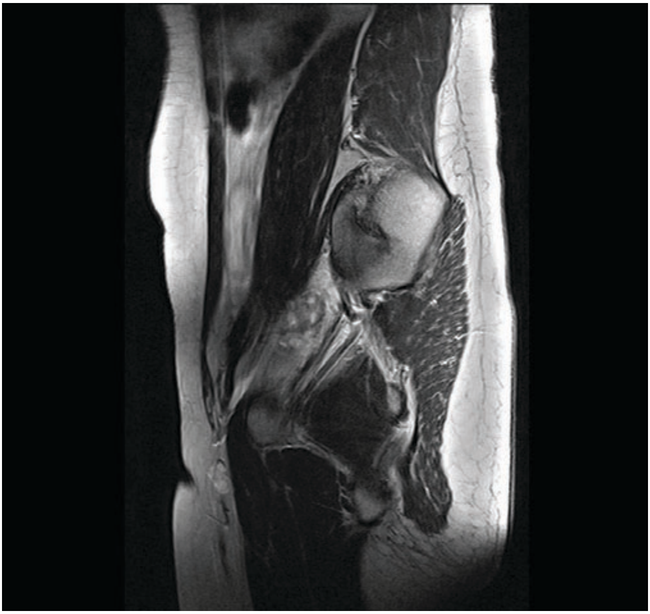


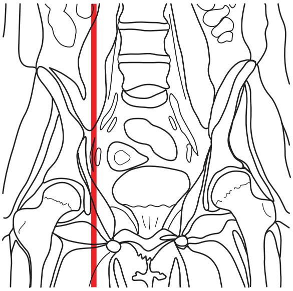

39
40
41
42
43

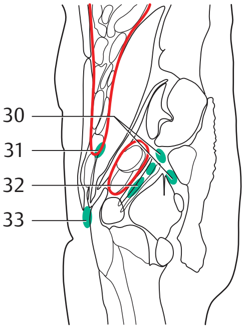
— = Peritoneum



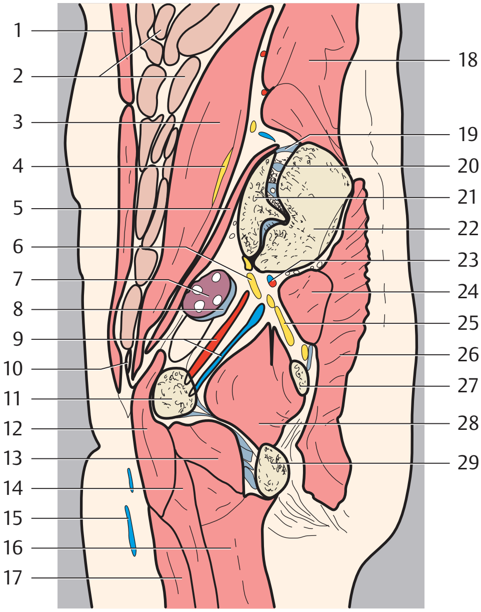
1. Rectus abdominis muscle
2. Small intestine
3. Lateral femoral cutaneous nerve
4. Psoas major muscle
5. Femoral nerve
6. Common iliac artery and vein
7. Ovarian artery and vein
8. Internal iliac artery and vein
9. Uterus (body)
10. Uterus (fundus)
11. Uterus (cavity)
12. Uterus (isthmus)
13. Vesical venous plexus
14. Urinary bladder
15. Pubis
16. Pectineus muscle
17. Ischium
18. Adductor magnus muscle
19. Adductor brevis muscle
20. Adductor longus muscle
21. Erector spinae muscle
22. Interspinales lumborum muscles
23. Tranverse process
24. Quadratus lumborum muscle
25. Lumbar plexus
26. Lumbar iliocostalis muscle
27. Dorsal sacroiliac ligaments
28. Sacrum
29. Sacral nerves
30. Piriformis muscle
31. Sacrotuberous ligament
32. Uterine venous plexus
33. Round ligament of uterus
34. Levator ani muscle
35. Gluteus maximus muscle
36. Ischiorectal fossa
37. Obturator internus muscle
38. Deep transverse perineal muscle
39. External iliac lymph nodes
40. Internal iliac lymph nodes
41. Parauterine lymph nodes
42. Paravaginal lymph nodes
43. Pararectal lymph nodes



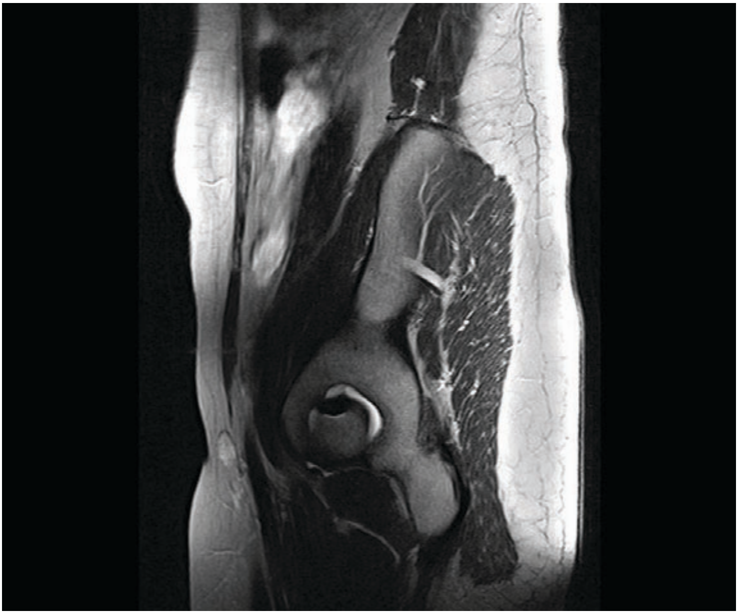


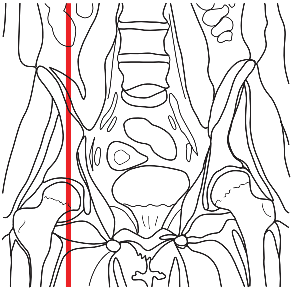


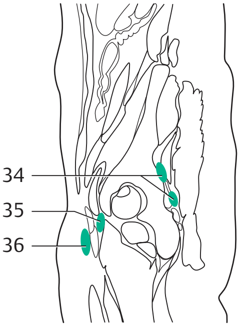
— = Peritoneum

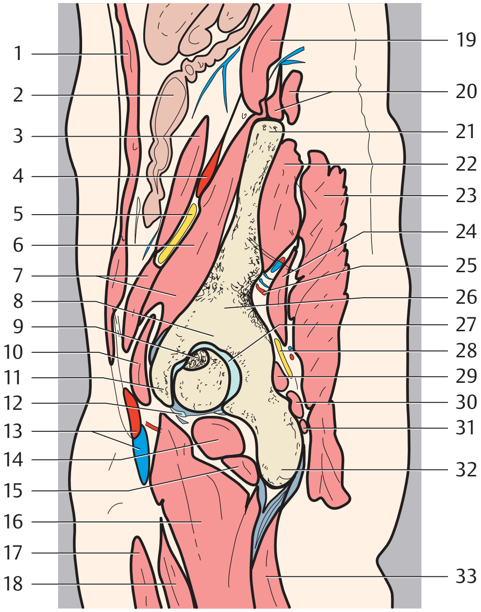


1. Rectus abdominis muscle
2. Small intestine
3. Psoas major muscle
4. Femoral nerve
5. Iliacus muscle
6. Lumbar plexus
7. Ovary
8. Round ligament of uterus
9. Obturator artery and vein
10. External iliac artery and vein
11. Pubis (superior ramus)
12. Pectineus muscle
13. Obturator externus muscle
14. Adductor brevis muscle
15. Great saphenous vein
16. Adductor magnus muscle
17. Adductor longus muscle
18. Iliocostalis muscle
19. Dorsal sacroiliac ligaments
20. Sacroiliac joint
21. Sacrum
22. Ilium
23. Superior gluteal artery and vein
24. Piriformis muscle
25. Sacral nerves
26. Gluteus maximus muscle
27. Ischial spine
28. Obturator internus muscle
29. Os ischii (ramus)
30. Gluteal lymph nodes
31. External iliac lymph nodes
32. Obturator lymph nodes
33. Inguinal lymph nodes

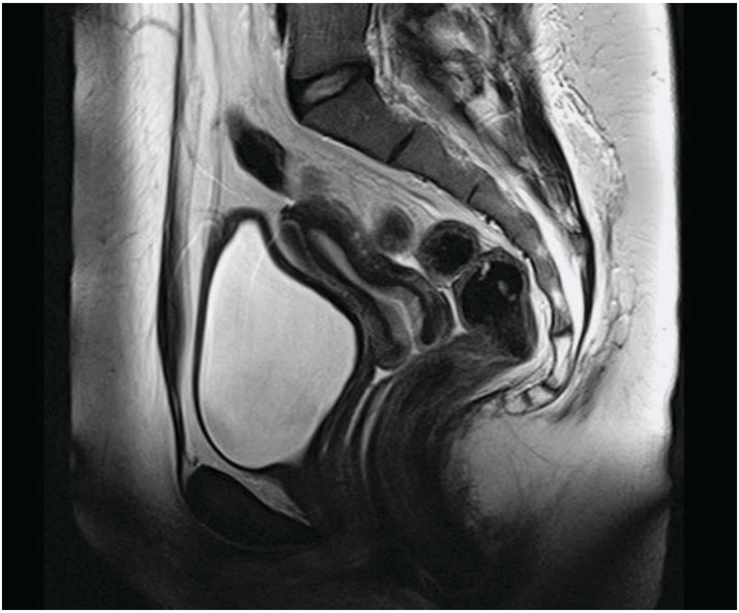


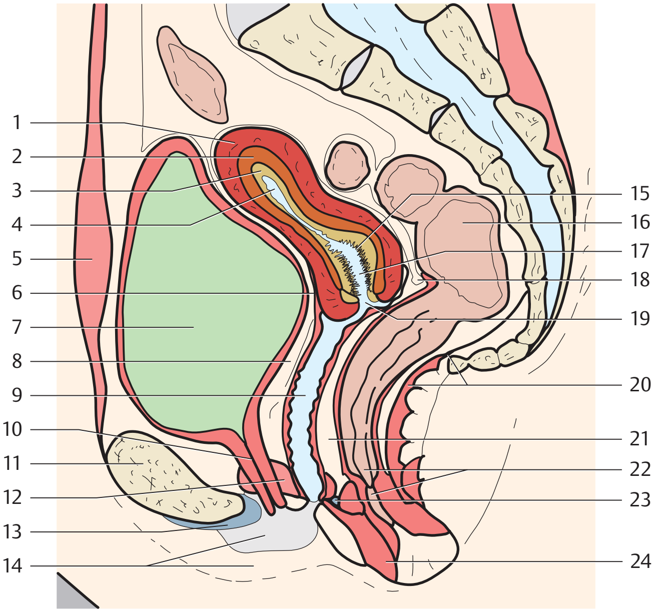



34
35
36

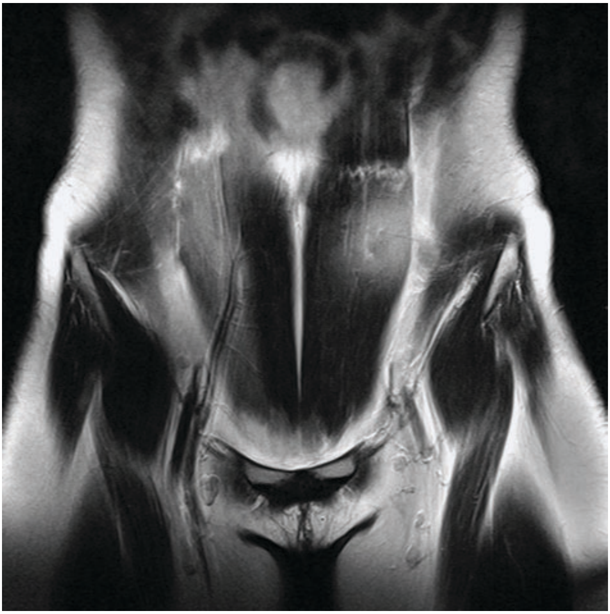


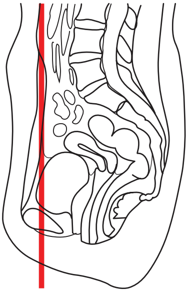
1. Rectus abdominis muscle
2. Colon
3. Psoas major muscle
4. Iliolumbar artery
5. Femoral nerve
6. Iliacus muscle
7. Iliopsoas muscle
8. Acetabular roof
9. Fovea capitis femoris
10. Pectineus muscle
11. Pubis (body)
12. Acetabular lip
13. Femoral artery and vein
14. Obturator externus muscle
15. Quadratus femoris muscle
16. Adductor magnus muscle
17. Adductor longus muscle
18. Adductor brevis muscle
19. Quadratus lumborum muscle
20. Iliocostalis muscle
21. Superior iliac spine
22. Gluteus medius muscle
23. Gluteus maximus muscle
24. Gluteus minimus muscle
25. Superior gluteal artery and vein
26. Ilium (body)
27. Fossa acetabuli
28. Sciatic nerve
29. Gemellus superior muscle
30. Obturator internus muscle
31. Gemellus inferior muscle
32. Ischial tuberosity
33. Semimembranosus muscle
34. Gluteal lymph nodes
35. Deep ingual lymph nodes
36. Superficial ingual lymph nodes

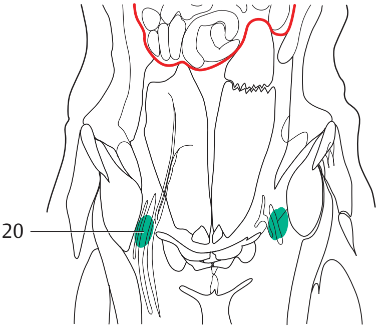




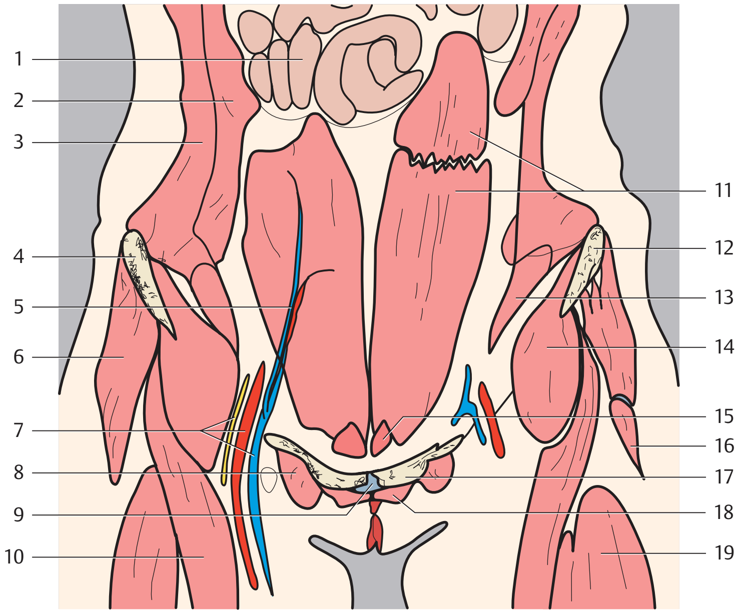
1. Body of uterus (myometrium)
2. Uterus (junctional zone)
3. Uterus (endometrium)
4. Uterus (cavity)
5. Rectus abdominis muscle
6. Vesicouterine pouch
7. Urinary bladder
8. Fatty layer between urinary bladder, urethra, and vagina
9. Vagina (wall)
10. Urethra
11. Pubis
12. Deep transverse perineal muscle
13. Arcuate pubic ligament
14. Labium minus and majus
15. Palmate folds (of cervix of uterus)
16. Rectum
17. Cervical canal
18. Rectouterine pouch (of Douglas)
19. Portio
20. Anococcygeal ligament and levator ani muscle
21. Fatty layer between vagina and rectum
22. Anal canal and anus
23. Perineal body
24. External anal sphincter muscle



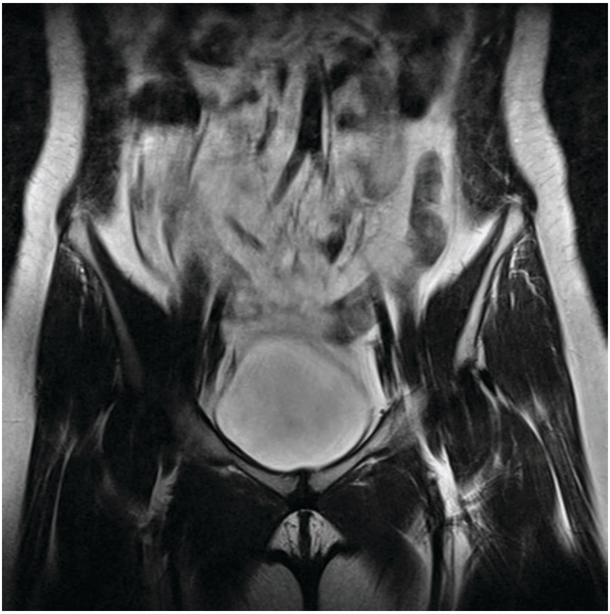


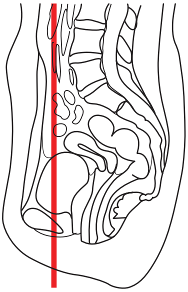


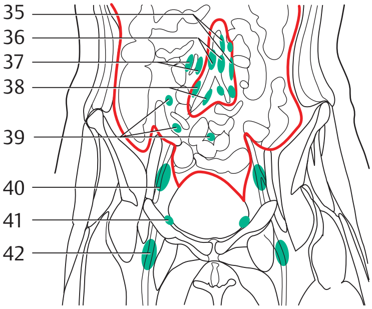
— = Peritoneum



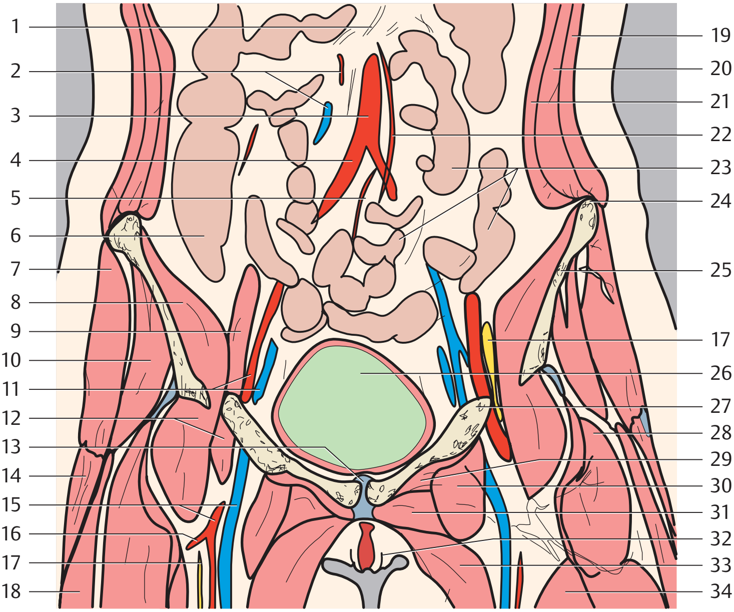
1. Small intestine
2. Internal abdominal oblique muscle
3. External abdominal oblique muscle
4. Anterior superior iliac spine
5. Superficial epigastric artery
6. Gluteus medius muscle
7. Femoral artery, vein and nerve
8. Pectineus muscle
9. Pubic symphysis
10. Rectus femoris muscle
11. Rectus abdominis muscle
12. Ilium
13. Transversus abdominis muscle
14. Iliopsoas muscle
15. Pyramidalis muscle
16. Tensor fasciae latae muscle
17. Pubis
18. Adductor longus muscle
19. Vastus lateralis muscle
20. Superficial inguinal lymph node



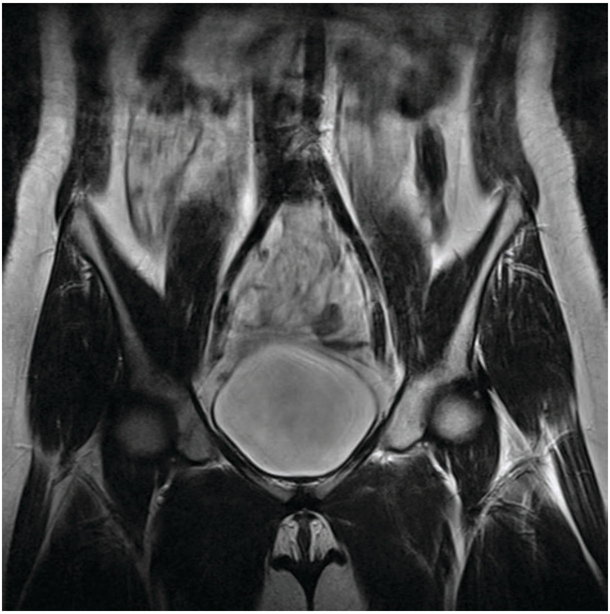


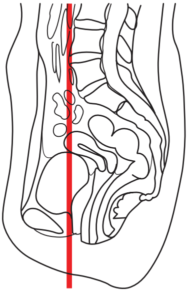

35
36
37
38
39
40
41
42

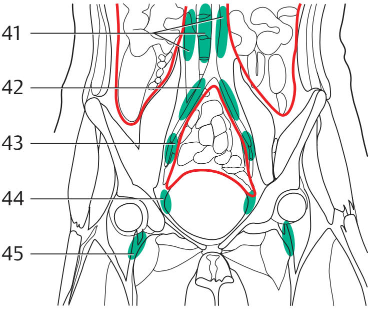
— = Peritoneum



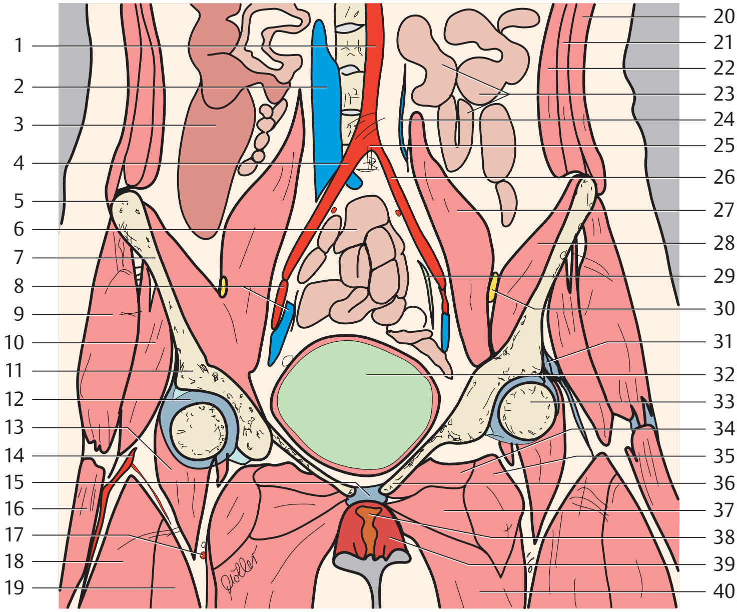
1. Mesentery
2. Superior mesenteric artery and vein
3. Abdominal aorta
4. Right common iliac artery
5. Sigmoid artery
6. Ascending colon
7. Gluteus medius muscle
8. Iliacus muscle
9. Psoas major muscle
10. Gluteus minimus muscle
11. External iliac artery and vein
12. Iliopsoas muscle
13. Symphysis
14. Tensor fasciae latae muscle
15. Femoral artery and vein
16. Deep artery of thigh
17. Femoral nerve
18. Vastus lateralis muscle
19. External abdominal oblique muscle
20. Internal abdominal oblique muscle
21. Transversus abdominis muscle
22. Inferior mesenteric artery
23. Jejunum
24. Iliac crest
25. Ilium (ala)
26. Urinary bladder
27. Pubis
28. Rectus femoris muscle
29. Obturator externus muscle
30. Pectineus muscle
31. Adductor brevis muscle
32. Labium majus
33. Adductor longus muscle
34. Sartorius muscle
35. Inferior mesenteric lymph nodes
36. Lumbar lymph nodes
37. Superior mesenteric lymph nodes
38. Common iliac lymph nodes
39. Juxtaintestinal lymph nodes
40. External iliac lymph nodes
41. Paravesical lymph nodes
42. Superficial ingual lymph node



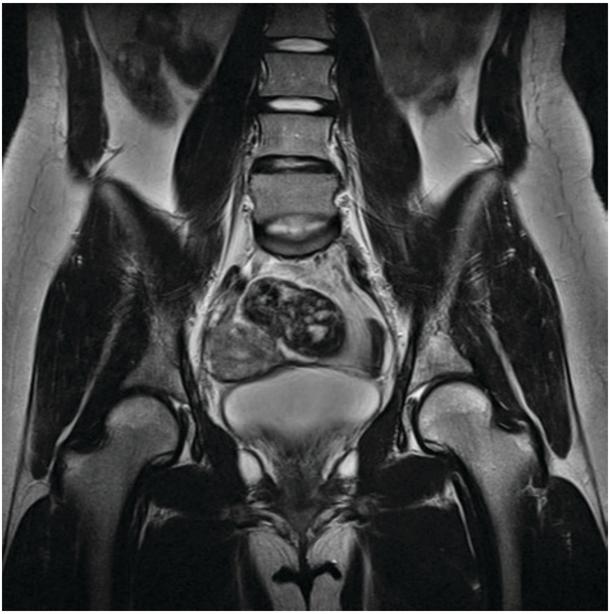


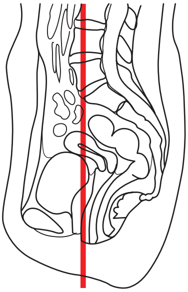

41
42
43
44
45

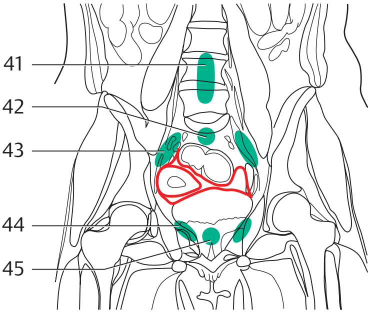
— = Peritoneum



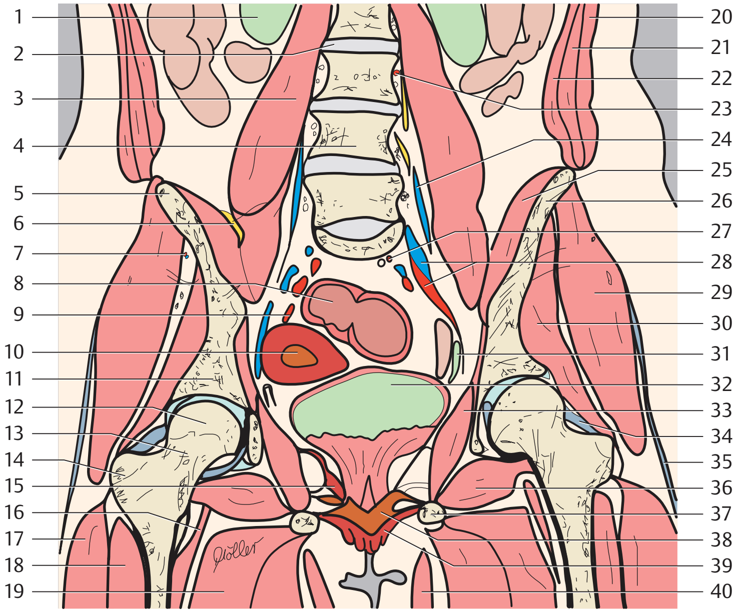
1. Abdominal aorta
2. Inferior vena cava
3. Ascending colon
4. Right common iliac artery
5. Iliac crest
6. Ileum
7. Ilium (ala)
8. External iliac artery and vein
9. Gluteus medius muscle
10. Gluteus minimus muscle
11. Acetabular roof (body of ilium)
12. Iliofemoral ligament with joint capsule
13. Iliopsoas muscle
14. Circumflex femoral artery
15. Transverse perineal ligament
16. Tensor fasciae latae muscle
17. Deep artery of thigh
18. Vastus lateralis muscle
19. Rectus femoris muscle
20. External abdominal oblique muscle
21. Internal abdominal oblique muscle
22. Transversus abdominis muscle
23. Jejunum
24. Inferior mesenteric vein
25. Aorta (bifurcation)
26. Left common iliac artery
27. Psoas major muscle
28. Iliacus muscle
29. Ureter
30. Femoral nerve
31. Common tendon of rectus femoris muscle and vastus lateralis muscle
32. Urinary bladder
33. Head of femur
34. Obturator externus muscle
35. Pectineus muscle
36. Pubis
37. Adductor brevis muscle
38. Clitoris (crus)
39. Labium majus
40. Adductor longus muscle
41. Lumbar lymph nodes
42. Common iliac lymph nodes
43. External iliac lymph nodes
44. Paravesical lymph nodes
45. Deep inguinal lymph node



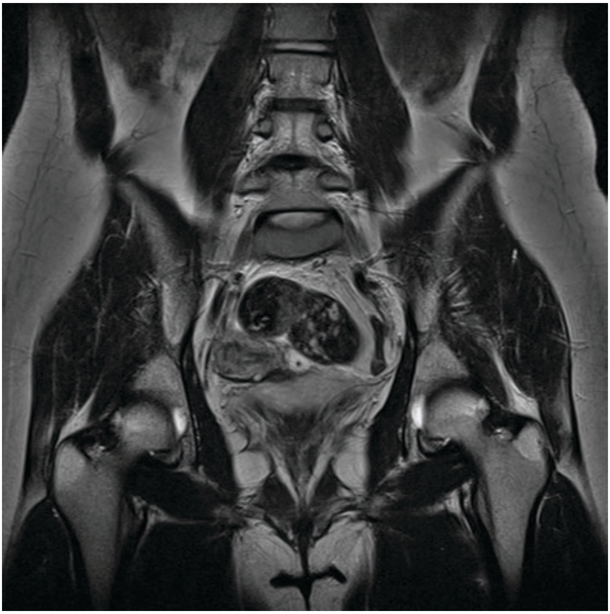


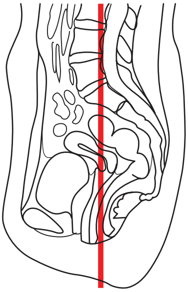

41
42
43
44
45

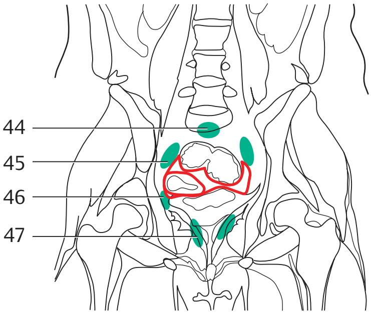
— = Peritoneum



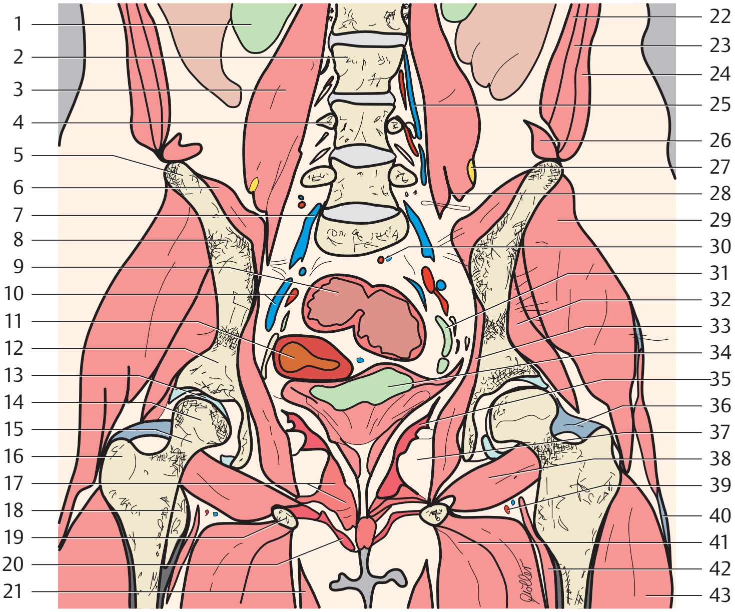
1. Right kidney
2. Intervertebral disk L2–L3
3. Psoas major muscle
4. Lumbar vertebra (L4)
5. Iliac crest
6. Femoral nerve
7. Superior gluteal artery and vein
8. Sigmoid colon
9. Uterine artery
10. Uterus (cavum)
11. Acetabular roof (body of ilium)
12. Head of femur
13. Neck of femur
14. Greater trochanter
15. Levator ani muscle
16. Iliopsoas muscle
17. Vastus lateralis muscle
18. Vastus intermedius muscle
19. Adductor magnus muscle
20. External abdominal oblique muscle
21. Internal abdominal oblique muscle
22. Transversus abdominis muscle
23. Lumbar artery and vein
24. Iliolumbar artery and vein
25. Iliacus muscle
26. Ilium (ala)
27. Superior rectal artery
28. Internal iliac artery and vein
29. Gluteus medius muscle
30. Gluteus minimus muscle
31. Ureter
32. Urinary bladder
33. Obturator internus muscle
34. Iliofemoral ligament
35. Iliotibial tract
36. Obturator externus muscle
37. Ischium (ramus)
38. Deep transverse perineal muscle
39. Labium minus
40. Gracilis muscle
41. Prevertebral lymph nodes
42. Promontorial lymph nodes
43. Internal iliac lymph nodes
44. Paravaginal lymph nodes
45. Postvesical lymph nodes



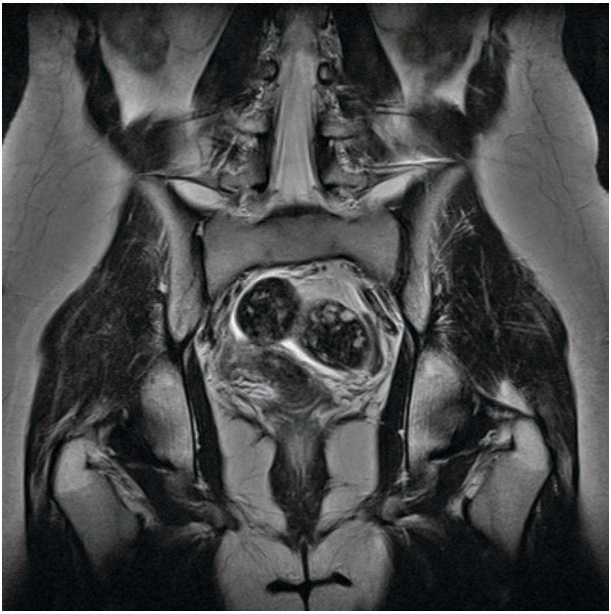


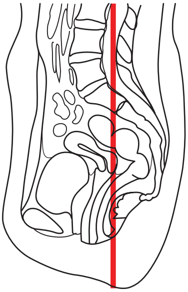


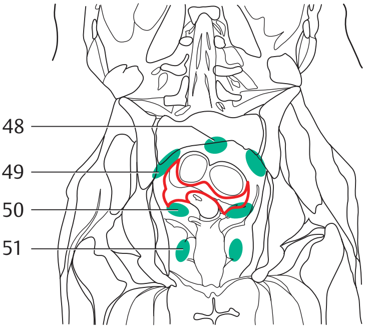
— = Peritoneum



1. Right kidney
2. Lumbar vertebra (L3)
3. Psoas major muscle
4. Transverse process (L4)
5. Iliac crest
6. Iliacus muscle
7. Ascending lumbar vein
8. Ilium (ala)
9. Sigmoid colon
10. Internal iliac artery and vein
11. Uterus (cavity)
12. Acetabular roof (body of ilium)
13. Hip joint
14. Head of femur
15. Neck of femur
16. Greater trochanter
17. Deep transverse perineal muscle
18. Lesser trochanter
19. Ischium (ramus)
20. Bulbospongiosus muscle
21. Gracilis muscle
22. Transversus abdominis muscle
23. Internal abdominal oblique muscle
24. External abdominal oblique muscle
25. Lumbar artery and vein
26. Quadratus lumborum muscle
27. Femoral nerve
28. Obturator nerve
29. Gluteus medius muscle
30. Superior rectal artery
31. Ureter
32. Gluteus minimus muscle
33. Obturator internus muscle
34. Urinary bladder
35. Levator ani muscle
36. Iliofemoral ligament
37. Ischiorectal fossa
38. Obturator externus muscle
39. Medial circumflex femoral artery
40. Iliotibial tract
41. Adductor magnus muscle
42. Iliopsoas muscle
43. Vastus lateralis muscle
44. Promontorial lymph nodes
45. Internal iliac lymph nodes
46. Parauterine lymph nodes
47. Paravaginal lymph nodes

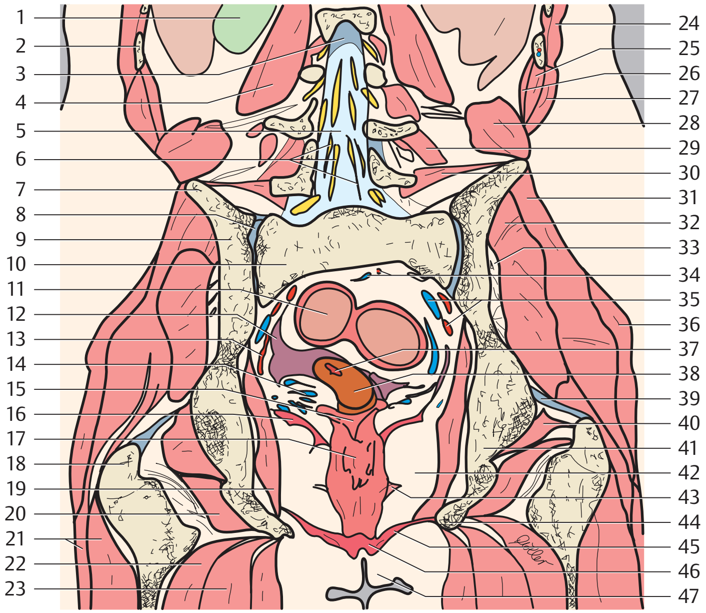




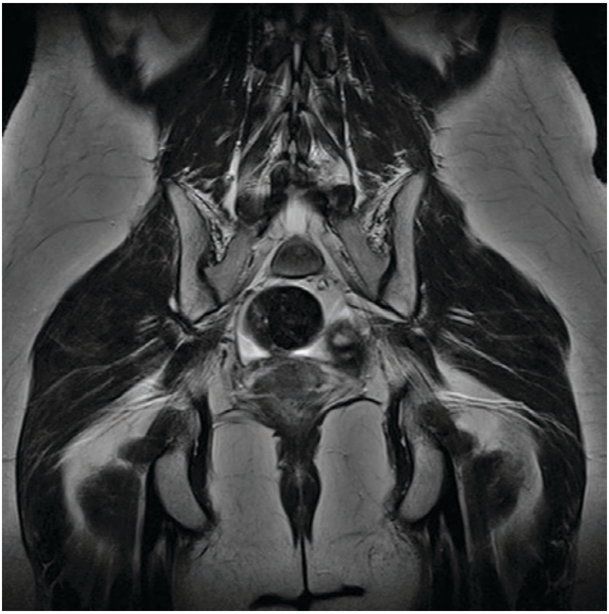


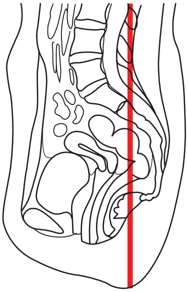
— = Peritoneum

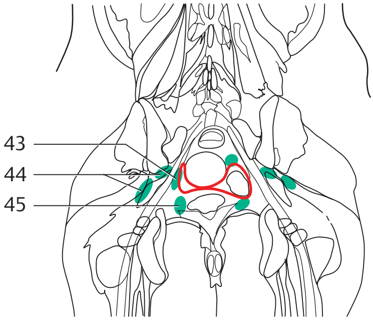
1. Right kidney
2. Rib (11)
3. Spinal dura
4. Psoas major muscle
5. Spinal canal
6. Cauda equina
7. Iliac crest
8. Sacroiliac joint
9. Ilium (ala)
10. Sacrum



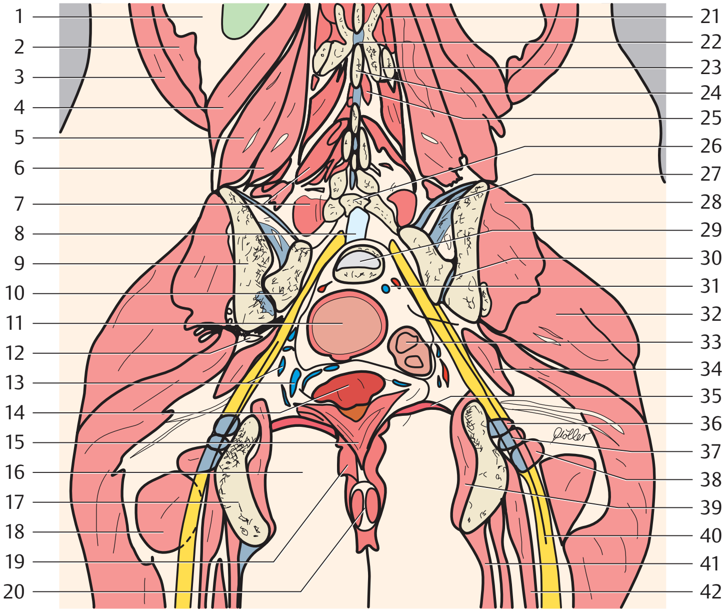
11. Sigmoid colon
12. Uterine tube (infundibulum)
13. Uterine vein
14. Uterine venous plexus
15. Vagina (fornix)
16. Levator ani muscle
17. Vagina
18. Greater trochanter
19. Obturator internus muscle
20. Quadratus femoris muscle
21. Vastus lateralis muscle
22. Semitendinosus muscle
23. Adductor magnus muscle
24. Latissimus dorsi muscle
25. Internal abdominal oblique muscle
26. Transversus abdominis muscle
27. External abdominal oblique muscle
28. Quadratus lumborum muscle
29. Multifidus muscle and lumbar intertranversarii muscles
30. Iliolumbar ligament and iliocostalis muscle (erector spinae muscle)
31. Gluteus medius muscle
32. Gluteus minimus muscle
33. Superior gluteal artery and vein
34. Sigmoid arteries and veins
35. Internal iliac artery and vein
36. Gluteus maximus muscle
37. Cervical canal
38. Cervix of uterus
39. Iliofemoral ligament
40. Obturator internus muscle
41. Ischium
42. Ischiorectal fossa
43. Pubovaginalis muscle
44. Ischium (ramus)
45. Deep transverse perineal muscle (urogenital diaphragm)
46. Bulbospongiosus muscle
47. Labium minus
48. Presacral lymph nodes
49. Internal iliac lymph nodes
50. Parauterine lymph nodes
51. Paravaginal lymph nodes



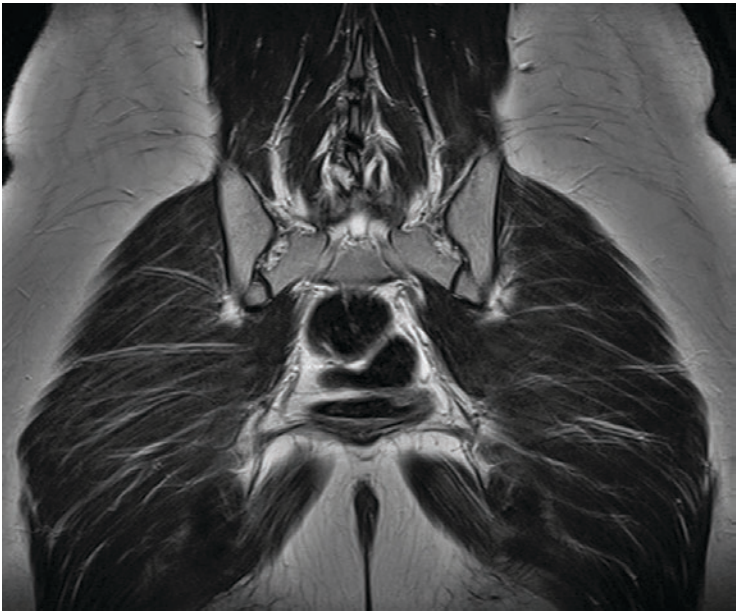


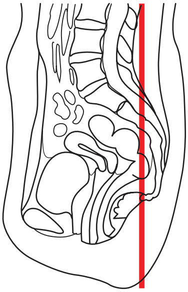


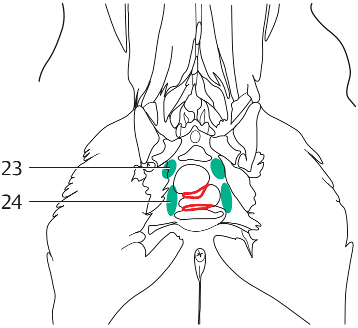
— = Peritoneum



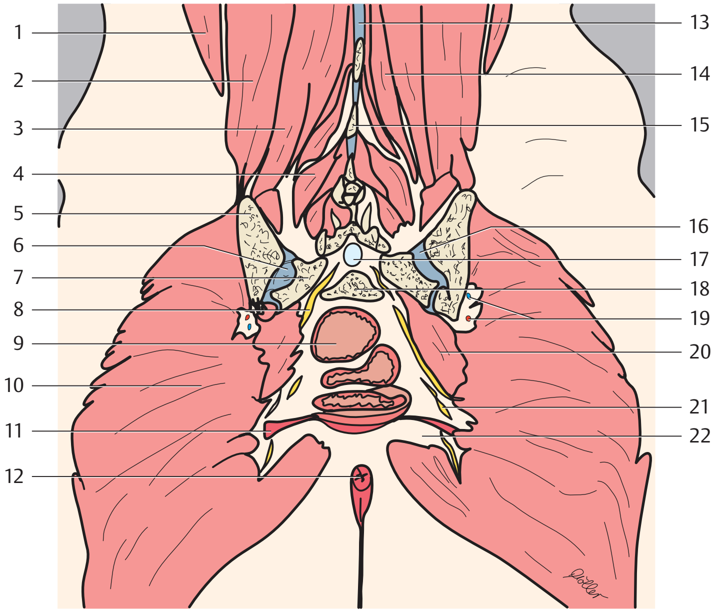
1. Fatty capsule of kidney
2. Serratus posterior inferior muscle
3. Latissimus dorsi muscles
4. Quadratus lumborum muscle
5. Iliocostalis muscle (part of erector spinae muscle)
6. Longissimus muscle (part of erector spinae muscle)
7. Multifidus muscle (part of transversospinales muscles)
8. Spinal canal
9. Ilium (ala)
10. Sacrum
11. Rectum
12. Superior gluteal veins
13. Uterine and rectal venous plexus
14. Vaginal part of uterus
15. Vagina (posterior wall)
16. Ischiorectal fossa
17. Ischium
18. Quadratus femoris muscle
19. External anal sphincter muscle
20. Anus
21. Intertransversarii muscles
22. Interspinal ligaments
23. Zygapophysial joint
24. Spinous process
25. Interspinalis muscles
26. Lumbar vertebra 5 (vertebral arch)
27. Sacroiliac ligaments
28. Gluteus medius muscle
29. Intervertebral disk S1–S2
30. Sacroiliac joint
31. Sigmoid arteries and veins
32. Gluteus maximus muscle
33. Sigmoid colon
34. Piriformis muscle
35. Levator ani muscle
36. Gemellus superior muscle
37. Obturator internus muscle
38. Gemellus inferior muscle
39. Obturator internus muscle
40. Sciatic nerve
41. Semitendinosus muscle
42. Adductor magnus muscle
43. Pararectal lymph nodes
44. Gluteal lymph nodes
45. Parauterine lymph nodes



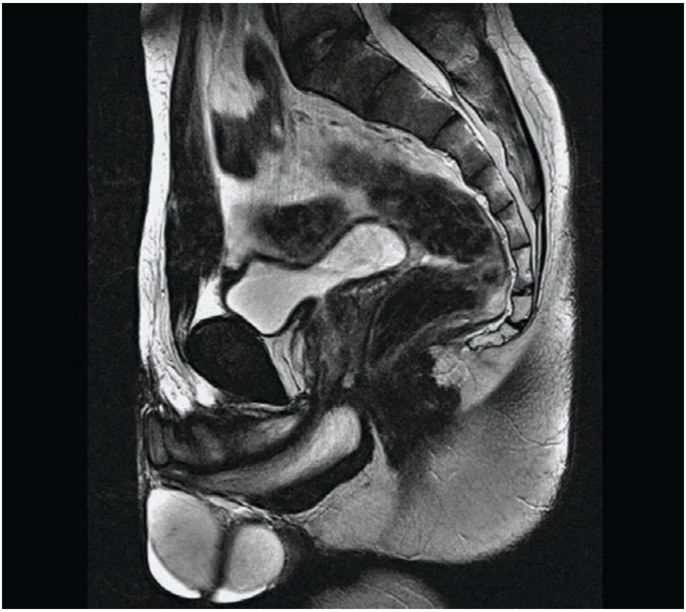


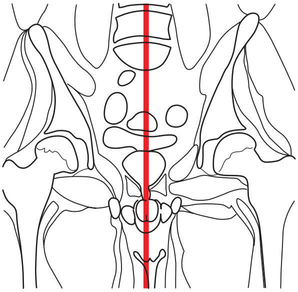


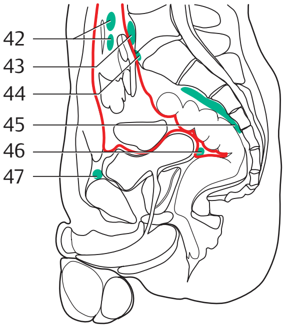
— = Peritoneum

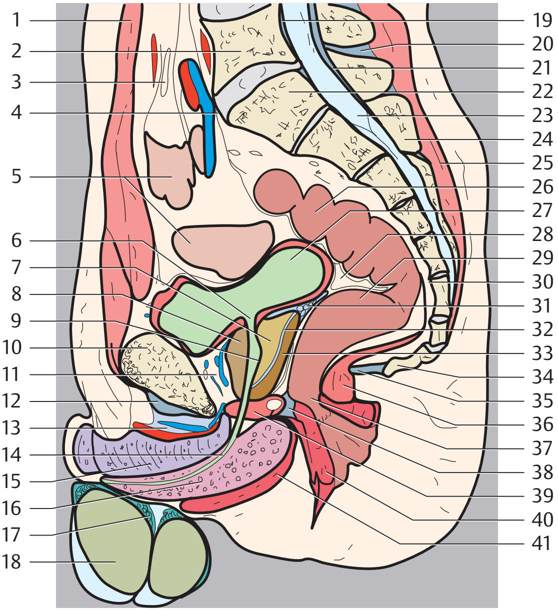


1. Latissimus dorsi muscle
2. Iliocostalis muscle (part of erector spinae muscle)
3. Longissimus muscle (part of erector spinae muscle)
4. Transversospinales muscles
5. Ilium
6. Sacroiliac joint
7. Sacrum (lateral part or mass of sacrum)
8. Sacral nerves
9. Rectum (ampulla)
10. Gluteus maximus muscle
11. Levator ani muscle
12. External anal sphincter muscle
13. Interspinal ligaments
14. Spinalis muscle (part of erector spinae muscle)
15. Spinous process
16. Dorsal sacroiliac ligament
17. Spinal canal
18. Sacrum (S2)
19. Superior gluteal artery and vein
20. Piriformis muscle
21. Inferior gluteal artery, vein, and nerve
22. Ischioanal fossa
23. Gluteal lymph nodes
24. Pararectal lymph nodes

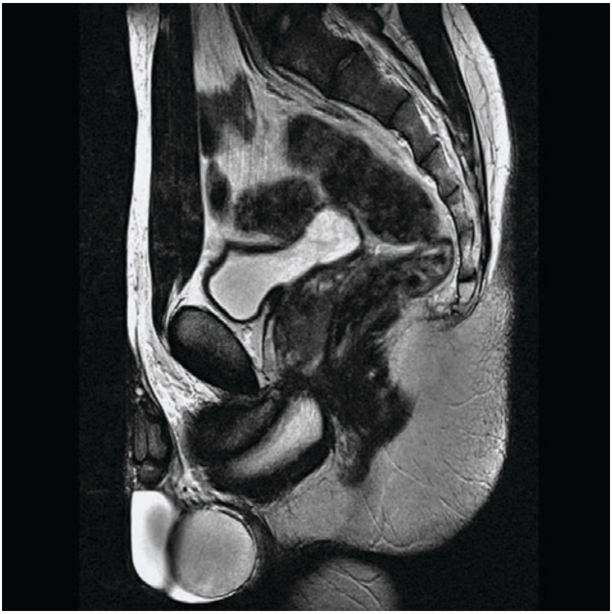


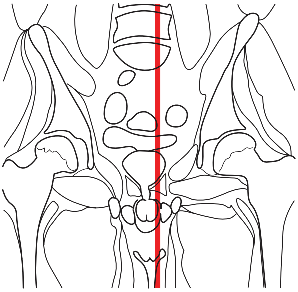


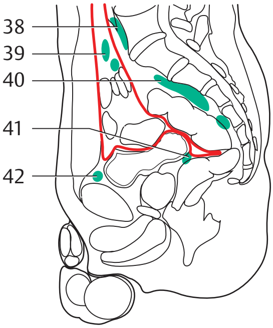

42
43
44
45
46
47



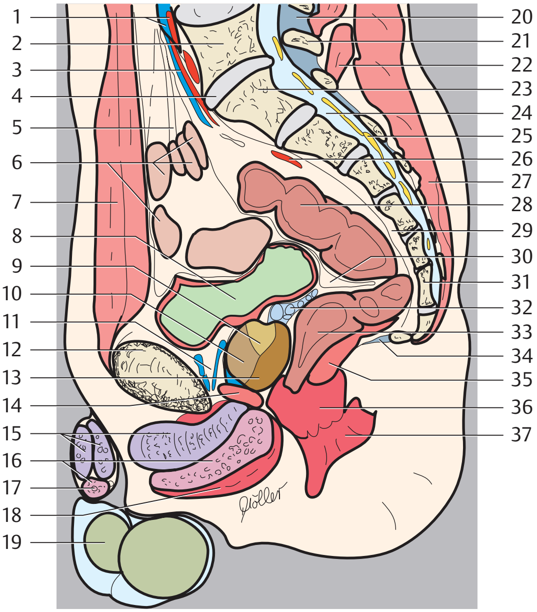
1. Rectus abdominis muscle
2. Lumbar vertebra (L5)
3. Mesentery
4. Promontorium
5. Small intestine
6. Urinary bladder (internal urethra orifice)
7. Prostate (central zone)
8. Prostate (anterior fibromuscular stroma)
9. Seminal colliculus
10. Pubis
11. Retropubic space with vesical and prostatic venous plexus
12. Arcuate pubic ligament
13. Suspensory ligament of penis
14. Urethra
15. Corpus cavernosum
16. Corpus spongiosum
17. Epididymis
18. Testis
19. Posterior longitudinal ligament
20. Interspinal ligaments
21. Ligamenta flava
22. Sacrum (S1)
23. Spinal canal
24. Spinous process
25. Erector spinae muscle
26. Sigmoid colon
27. Urinary bladder
28. Rectovesical pouch
29. Rectum
30. Presacral space
31. Seminal vesicle
32. Ejaculatory duct
33. Prostate, peripheral zone
34. Coccyx
35. Anococcygeal ligament
36. Levator ani muscle
37. Anus
38. Perineal body
39. Urogenital diaphragm with bulbo-urethral gland
40. External anal sphincter muscle
41. Bulbospongiosus muscle
42. Juxta-intestinal mesenteric lymph nodes
43. Prevertebral lymph nodes
44. Promontorial lymph nodes
45. Presacral lymph nodes
46. Postvesical lymph nodes
47. Prevesical lymph nodes



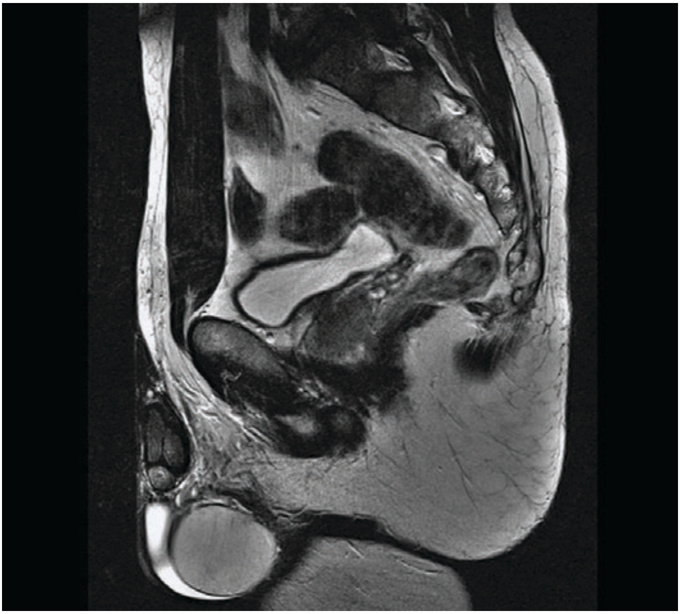


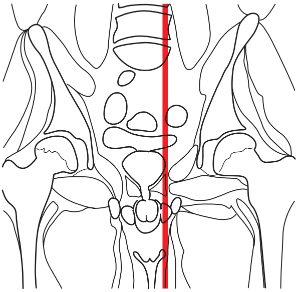

38
39
40
41
42

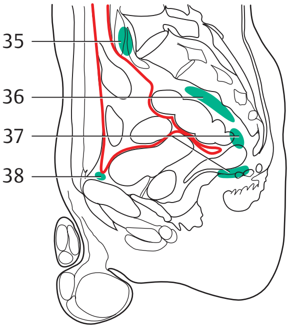
— = Peritoneum



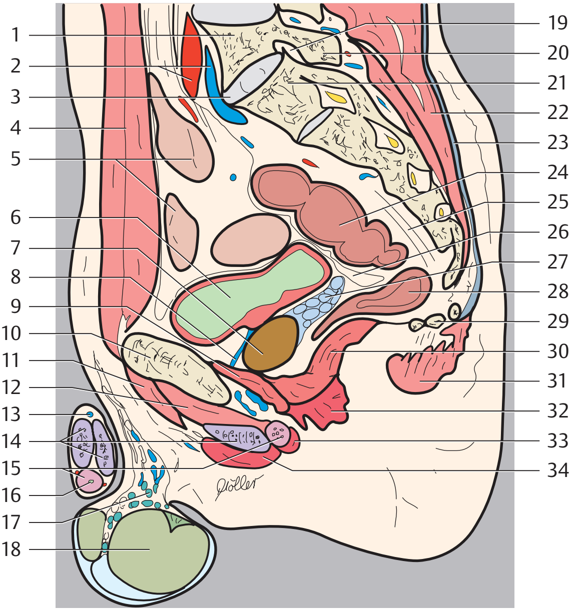
1. Common iliac artery and vein
2. Lumbar vertebra (L5)
3. Internal iliac artery and vein
4. Intervertebral disk L5–S1
5. Mesentery
6. Small intestine
7. Rectus abdominis muscle
8. Urinary bladder
9. Prostate (central zone)
10. Prostate (anterior fibromuscular stroma)
11. Retropubic space with vesical and prostatic venous plexus
12. Pubis
13. Prostate (peripheral zone)
14. Urogenital diaphragm
15. Corpus cavernosum
16. Corpus spongiosum
17. Urethra
18. Bulbospongiosus muscle
19. Testis
20. Ligamenta flava
21. Spinous process
22. Multifidus muscle
23. Sacrum (1)
24. Spinal canal
25. Spinal nerve (part of cauda equina)
26. Lateral sacral artery
27. Erector spinae muscle
28. Sigmoid colon
29. Presacral space
30. Rectovesical pouch
31. Coccyx
32. Seminal vesicle
33. Rectum
34. Anococcygeal ligament
35. Levator ani muscle
36. External anal sphincter muscle (superficial and deep part)
37. External anal sphincter muscle (subcutaneous part)
38. Common iliac lymph nodes
39. Juxta-intestinal mesenteric lymph nodes
40. Presacral lymph nodes
41. Postvesical lymph nodes
42. Prevesical lymph node



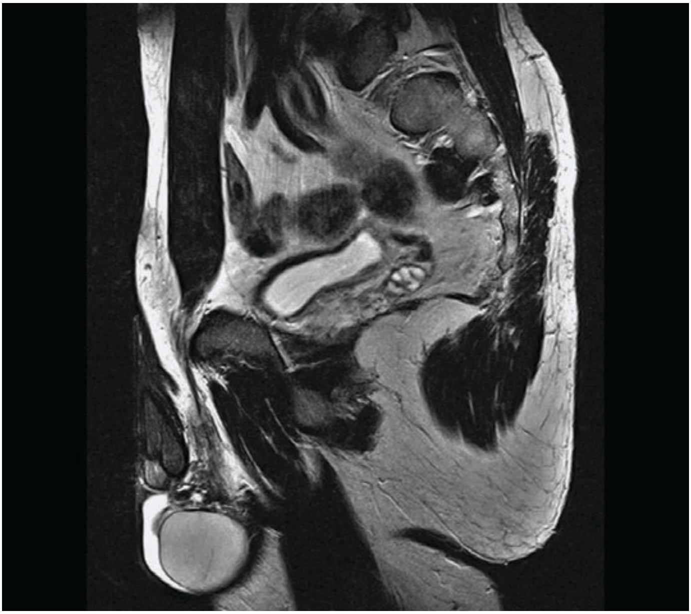


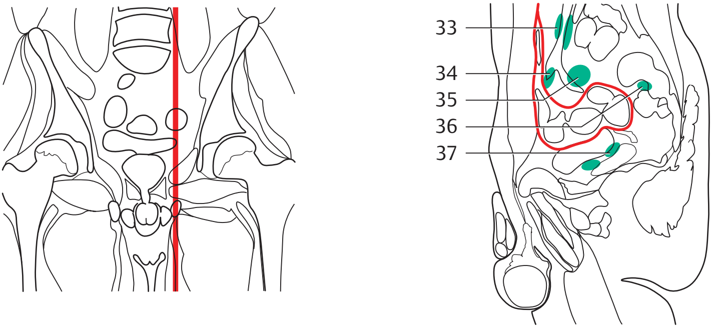


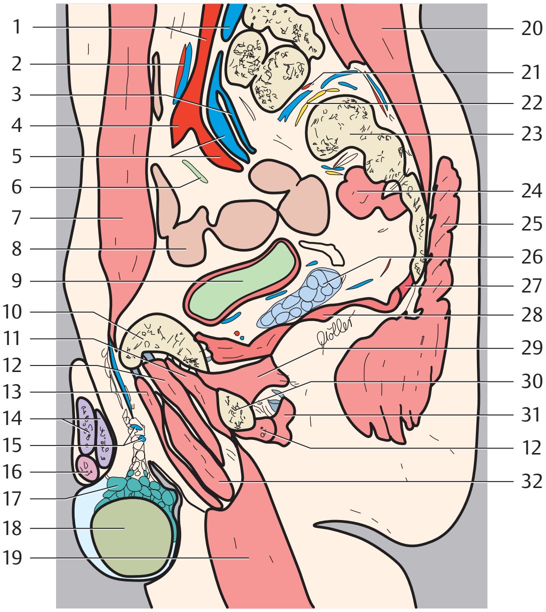
—— = Peritoneum



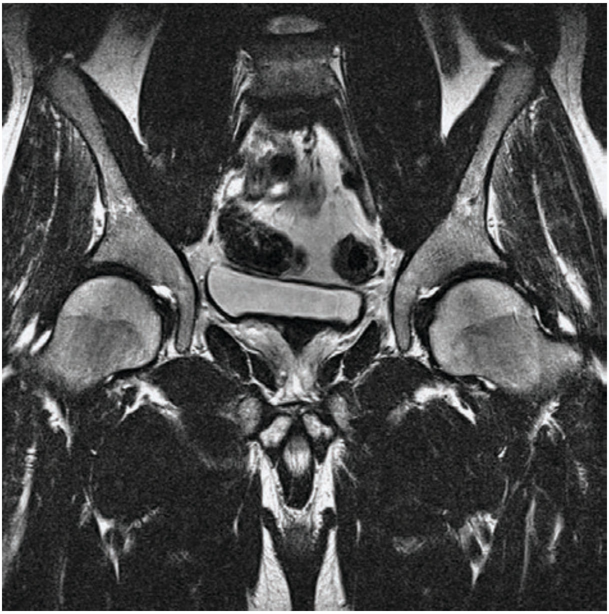
1. Lumbar vertebra (L5)
2. Common iliac artery and vein
3. Intervertebral disk L5–S1
4. Rectus abdominis muscle
5. Small intestine
6. Urinary bladder
7. Prostate, peripheral zone
8. Retropubic space with vesical and prostatic venous plexus
9. Urogenital diaphragm
10. Pubis
11. Adductor brevis muscle
12. Obturator externus muscle
13. Dorsal vein of penis
14. Corpus cavernosum
15. Corpus spongiosum
16. Urethra
17. Epididymis
18. Testis
19. Intervertebral foramen
20. Inferior articular process
21. Sacrum (1)
22. Erector spinae muscle
23. Thoracolumbar fascia
24. Sigmoid colon
25. Presacral space
26. Rectovesical pouch
27. Seminal vesicle
28. Rectum
29. Coccyx
30. Levator ani muscle
31. Gluteus maximus muscle
32. External anal sphincter muscle
33. Bulbospongiosus muscle
34. Ischiocavernosus muscle
35. Common iliac lymph nodes
36. Presacral lymph nodes
37. Pararectal lymph nodes
38. Prevesical lymph node

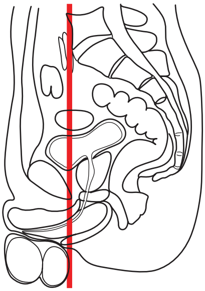


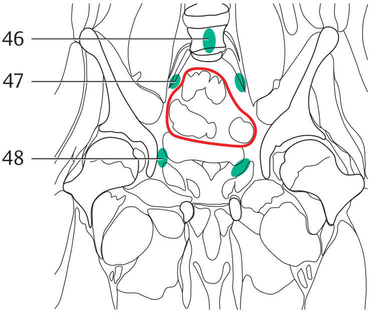

33
34
35
36
37



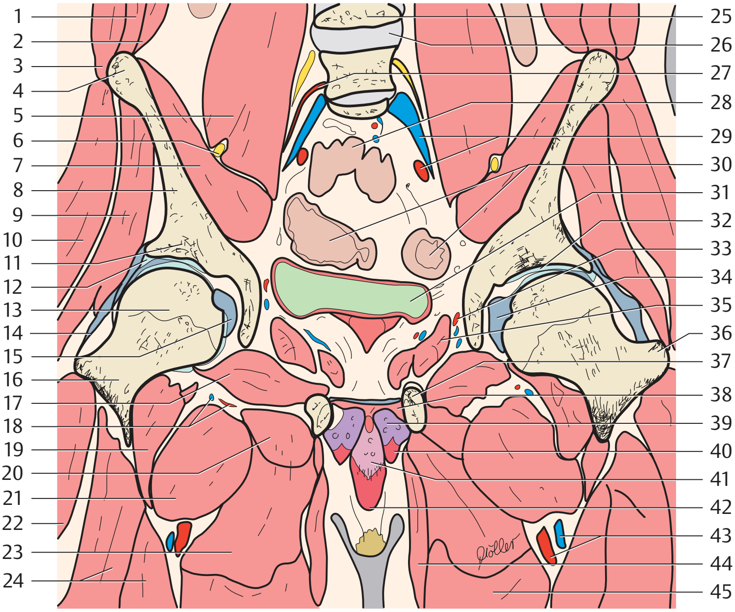
1. Common iliac artery and vein
2. Inferior mesenteric artery
3. Superior gluteal veins
4. External iliac artery
5. Internal iliac artery and vein
6. Ureter
7. Rectus abdominis muscle
8. Small intestine
9. Urinary bladder
10. Pubis
11. Obturator externus muscle
12. Adductor magnus muscle
13. Adductor longus muscle
14. Corpus cavernosum
15. Inguinal canal
16. Corpus spongiosum
17. Epididymis
18. Testis
19. Gracilis muscle
20. Longissimus muscle
21. Lateral sacral arteries and veins
22. Sacral nerves
23. Sacrum (lateral part or mass of sacrum)
24. Piriformis muscle
25. Gluteus maximus muscle
26. Seminal vesicle
27. Coccygeus muscle
28. Levator ani muscle
29. Obturator internus muscle
30. Ischium
31. Semitendineus muscle
32. Adductor brevis muscle
33. Common iliac lymph nodes
34. External iliac lymph nodes
35. Internal iliac lymph nodes
36. Gluteal lymph nodes
37. Lateral vesical lymph nodes



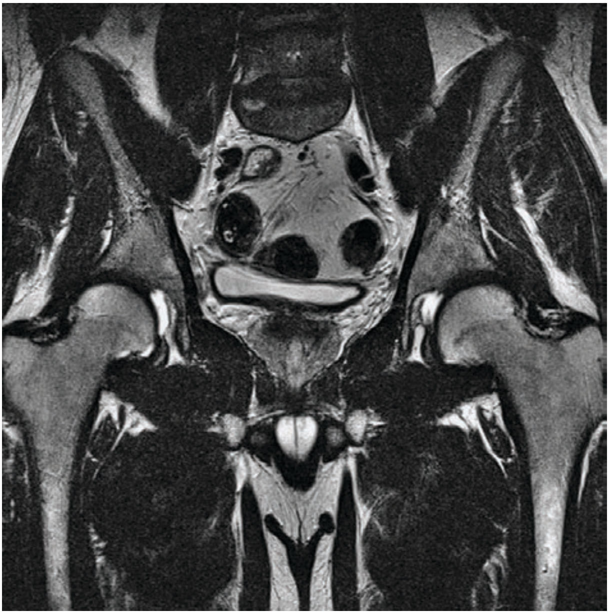


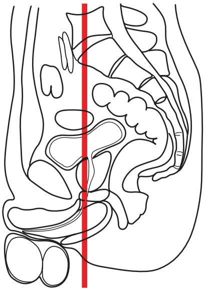


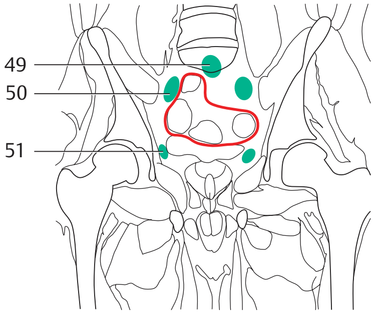
— = Peritoneum



1. Internal abdominal oblique muscle
2. Transversus abdominis muscle
3. External abdominal oblique muscle
4. Anterior superior iliac spine
5. Psoas major muscle
6. Femoral nerve
7. Iliacus muscle
8. Ilium
9. Gluteus minimus muscle
10. Gluteus medius muscle
11. Facies lunata acetabuli (acetabular roof)
12. Acetabular lip
13. Femur (head)
14. Iliofemoral ligament
15. Ligament of head of femur
16. Neck of femur
17. Obturator externus muscle
18. Medial circumflex femoral artery
19. Iliopsoas muscle
20. Adductor minimus muscle
21. Pectineus muscle
22. Vastus lateralis muscle
23. Adductor brevis muscle
24. Vastus intermedius muscle
25. Lumbar vertebra 4
26. Intervertebral disk L4–L5
27. Lumbar arteries
28. Small intestine
29. Common iliac artery and vein
30. Sigmoid colon
31. Urinary bladder
32. Hip joint
33. Obturator artery and vein
34. Fovea for ligament of head
35. Obturator internus muscle
36. Greater trochanter
37. Pubis
38. Urogenital diaphragm
39. Corpus cavernosum
40. Ischiocavernosus muscle
41. Corpus spongiosum
42. Bulbospongiosus muscle
43. Femoral artery and vein
44. Gracilis muscle
45. Adductor longus muscle
46. Prevertebral lymph nodes
47. Common iliac lymph nodes
48. Lateral vesical lymph nodes

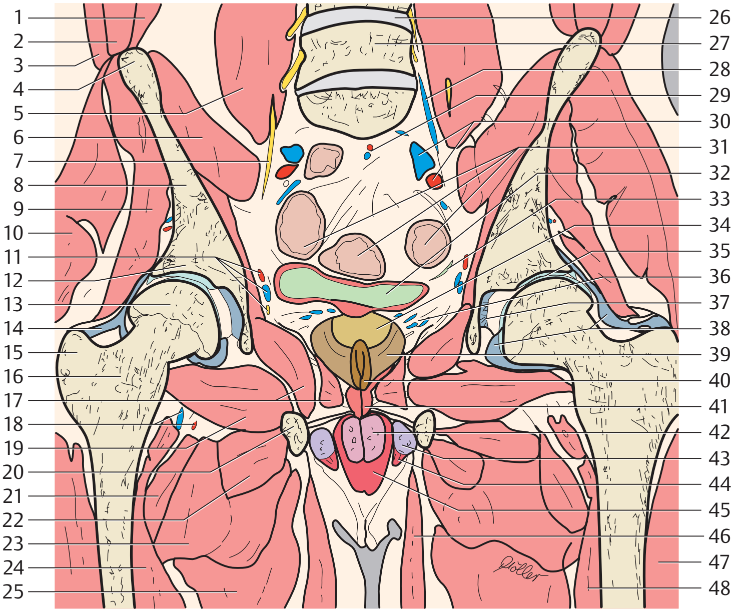




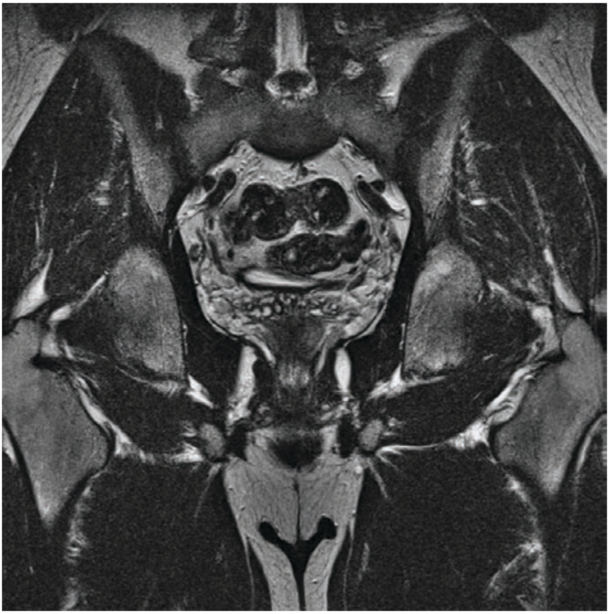


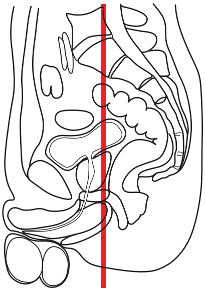
— = Peritoneum

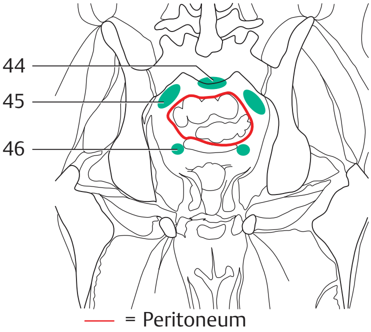
1. Transversus abdominis muscle
2. Internal oblique muscle
3. External oblique muscle
4. Anterior superior iliac spine
5. Psoas major muscle
6. Iliacus muscle
7. Obturator nerve
8. Ilium
9. Gluteus minimus muscle
10. Gluteus medius muscle

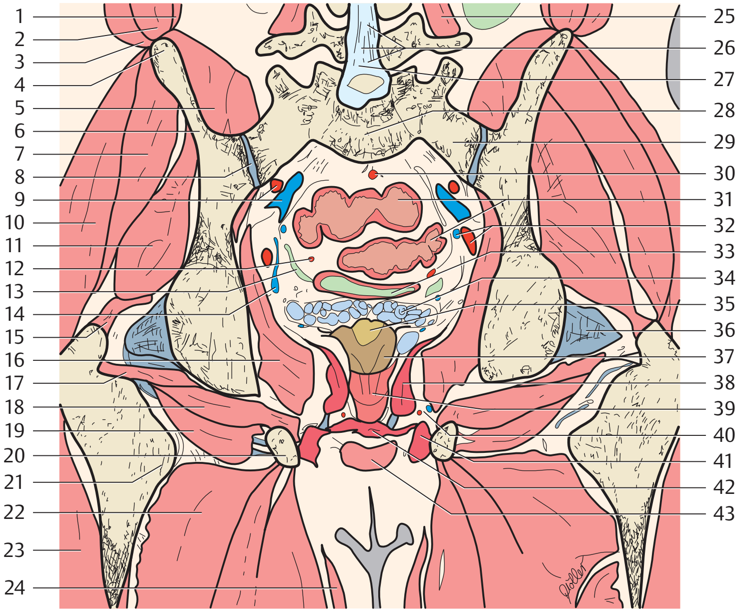


11. Obturator artery, vein and nerve
12. Facies lunata acetabuli (acetabular roof)
13. Head of femur
14. Iliofemoral ligament
15. Greater trochanter
16. Neck of femur
17. Obturator internus muscle (urogenital diaphragm)
18. Medial circumflex femoral artery
19. Obturator externus muscle
20. Pubis
21. Pectineus muscle
22. Adductor minimus muscle
23. Adductor brevis muscle
24. Iliopsoas muscle
25. Adductor magnus muscle
26. Intervertebral disk L4–L5
27. Lumbar vertebra (L5)
28. Ascending lumbar vein
29. Superior rectal artery and vein
30. Common iliac artery and vein
31. Sigmoid colon
32. Urinary bladder
33. Ureter
34. Prostate (central zone)
35. Hip joint
36. Prostatic venous plexus
37. Ligament of head of femur
38. Orbicular zone
39. Prostate (peripheral zone)
40. Prostate (transition zone)
41. Ureter
42. Corpus spongiosum
43. Corpus cavernosum
44. Ischiocavernosus muscle
45. Bulbospongiosus muscle
46. Gracilis muscle
47. Vastus lateralis muscle
48. Vastus intermedius muscle
49. Promontorial lymph nodes
50. Common iliac lymph nodes
51. Lateral vesical lymph nodes

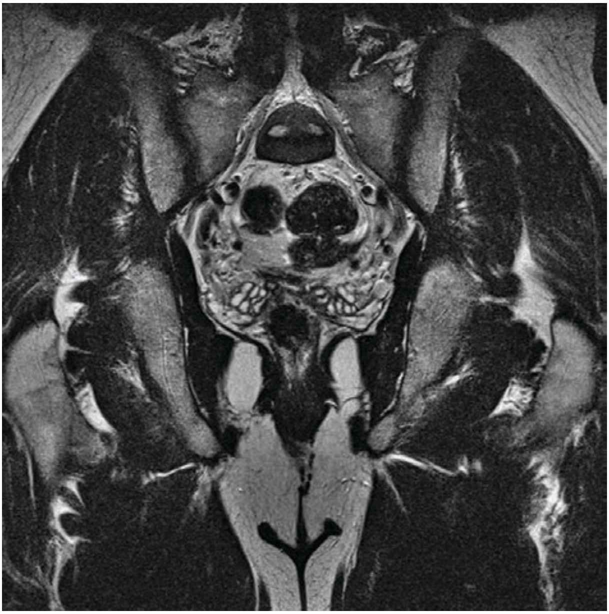


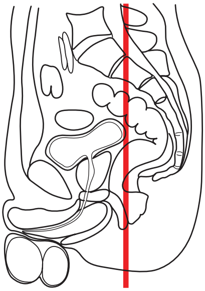


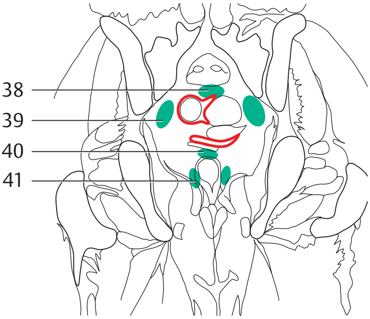

44
45
46
= Peritoneum



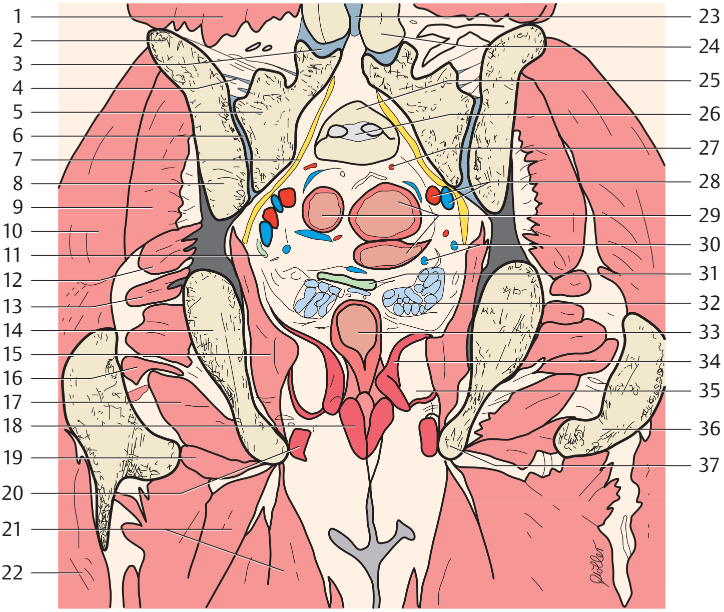
1. Transversus abdominis muscle
2. Internal oblique muscle
3. External oblique muscle
4. Iliac crest
5. Iliacus muscle
6. Ilium
7. Gluteus medius muscle
8. Sacroiliac joint
9. Internal iliac artery and vein
10. Gluteus maximus muscle
11. Gluteus minimus muscle
12. Acetabular lip
13. Ureter
14. Vesical venous plexus
15. Insertion of gluteus minimus and medius muscle (greater trochanter)
16. Obturator internus muscle
17. Gemellus inferior muscle
18. Obturator externus muscle
19. Quadratus femoris muscle
20. Ischial tuberosity
21. Lesser trochanter
22. Adductor magnus muscle
23. Vastus lateralis muscle
24. Gracilis muscle
25. Transversospinalis muscles
26. Cauda equina
27. Spinal dura
28. Sacrum
29. Sacrum (ala)
30. Superior rectal artery
31. Sigmoid colon
32. Obturator artery and vein
33. Urinary bladder
34. Seminal vesicle
35. Prostate (central zone)
36. Capsula articularis
37. Prostate (peripheral zone)
38. Levator ani muscle
39. Rectum (wall)
40. Internal pudendal artery and vein
41. Ischiocavernosus muscle
42. Urogenital diaphragm
43. Bulbospongiosus muscle
44. Presacral lymph nodes
45. Internal iliac lymph nodes
46. Lateral vesical lymph nodes



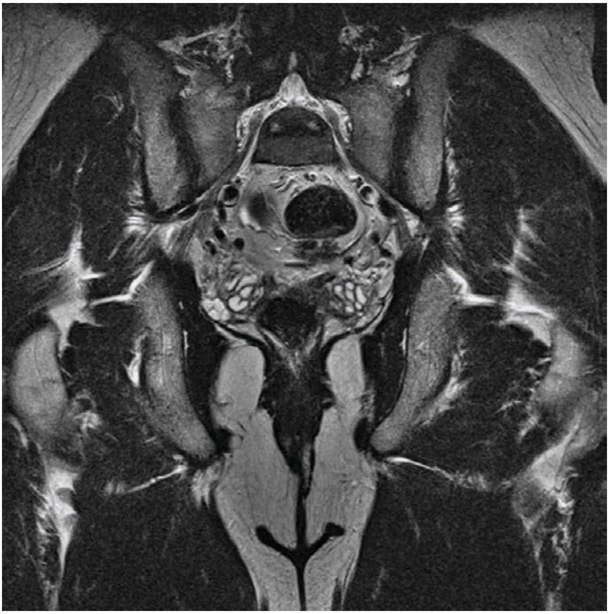


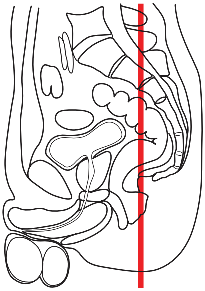


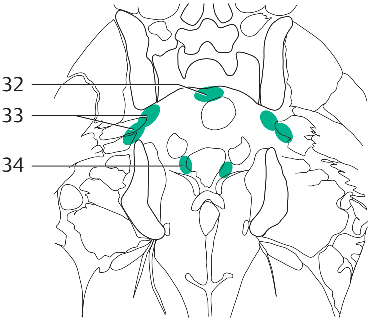
— = Peritoneum

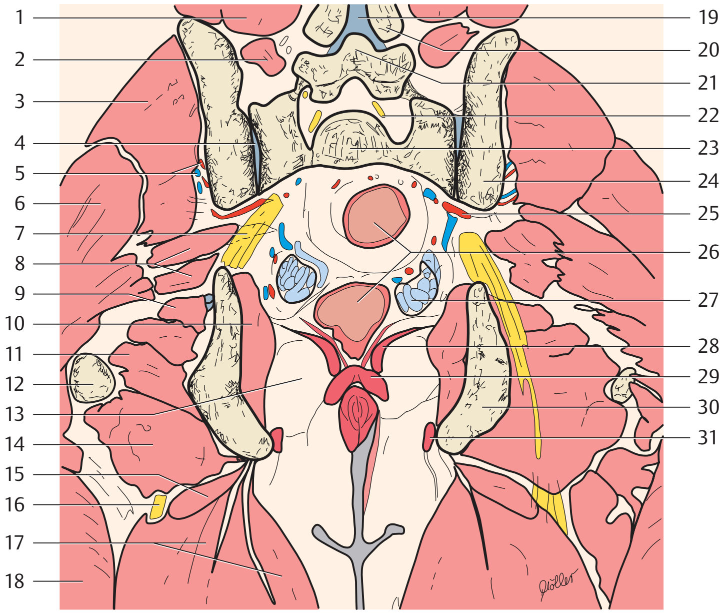


1. Quadratus lumborum muscle
2. Iliac crest
3. Zygapophysial joint
4. Interosseous sacroiliac ligaments
5. Sacrum (ala)
6. Sacroiliac joint
7. Sacral nerves
8. Ilium (ala)
9. Gluteus medius muscle
10. Gluteus maximus muscle
11. Ureter
12. Piriformis muscle
13. Gemellus superior muscle
14. Ilium
15. Obturator internus muscle
16. Gemellus inferior muscle
17. Quadratus femoris muscle
18. External anal sphincter muscle
19. Adductor minimus muscle
20. Ischiocavernosus muscle
21. Adductor magnus muscle
22. Vastus lateralis muscle
23. Spinal dura
24. Inferior articular process (zygapophysis)
25. Sacrum (S1)
26. Intervertebral disk S1–S2
27. Superior rectal artery
28. Internal iliac artery and vein
29. Sigmoid colon
30. Vesical venous plexus
31. Urinary bladder
32. Seminal vesicle
33. Rectum (ampulla)
34. Levator ani muscle
35. Ischiorectal fossa
36. Intertrochanteric crest
37. Ischial tuberosity
38. Presacral lymph nodes
39. Internal iliac lymph nodes
40. Postvesical lymph nodes
41. Pararectal lymph nodes

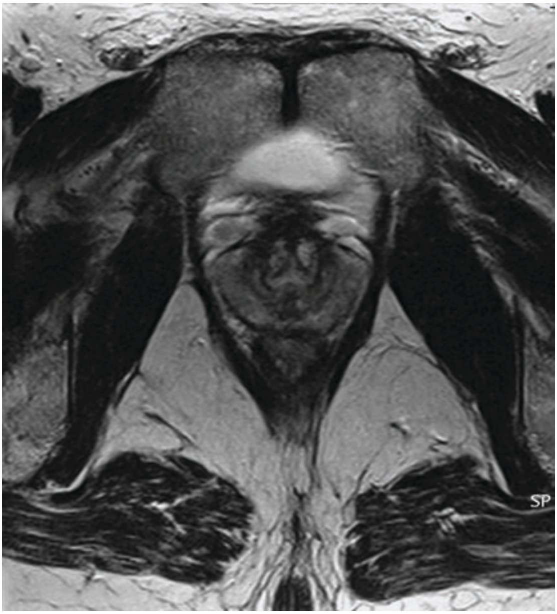


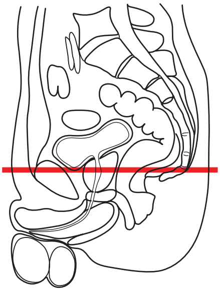


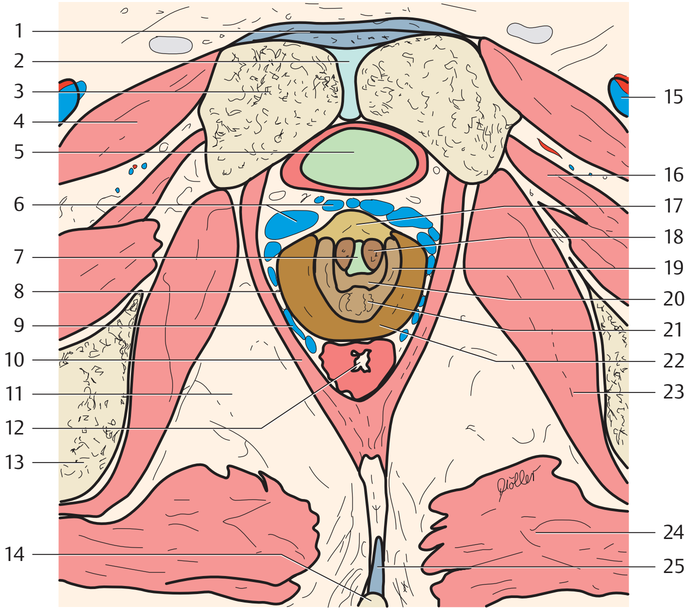

32
33
34



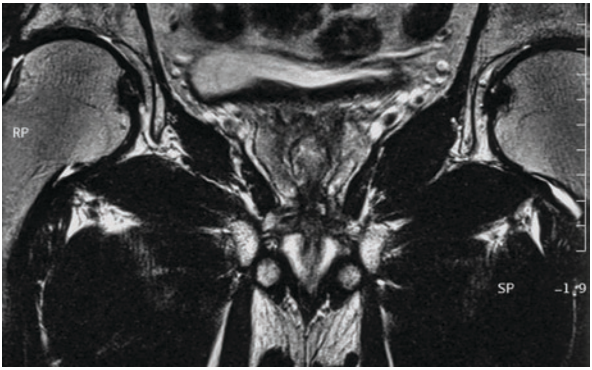
1. Quadratus lumborum muscle
2. Multifidus muscle
3. Gluteus medius muscle
4. Sacroiliac-joint
5. Superior gluteal artery and vein
6. Gluteus maximus muscle
7. Sacral plexus
8. Piriformis muscle
9. Gemellus superior muscle
10. Obturator internus muscle
11. Gemellus inferior muscle
12. Greater trochanter
13. Ischiorectal fossa
14. Quadratus femoris muscle
15. Adductor minimus muscle
16. Sciatic nerve
17. Adductor magnus muscle
18. Vastus lateralis muscle
19. Interspinous ligaments
20. Inferior articular process (zygapophysis, L4)
21. Lumbar vertebra (L5)
22. Spinal nerve (L5)
23. Sacrum
24. Ilium
25. Internal iliac artery and vein
26. Rectum
27. Seminal vesicle
28. Levator ani muscle
29. External anal sphincter muscle
30. Ischium
31. Ischiocavernosus muscle
32. Presacral lymph nodes
33. Gluteal lymph nodes (superior and inferior)
34. Pararectal lymph nodes

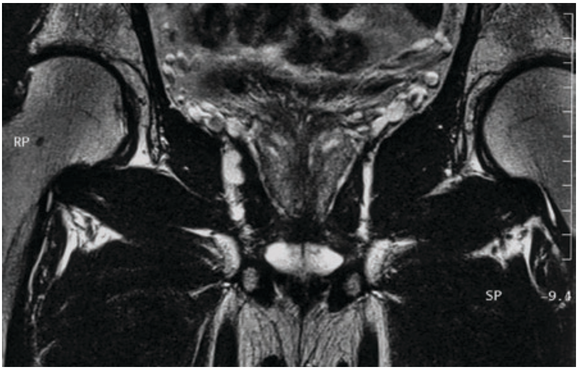

SP

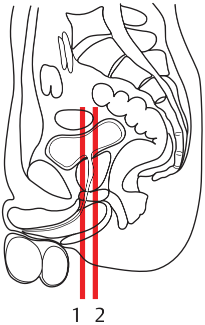




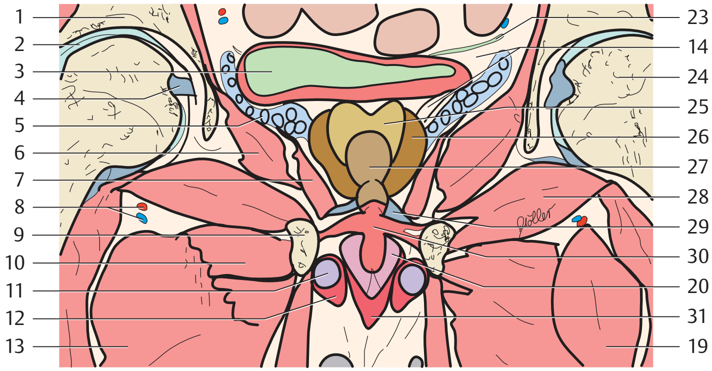
1. Fundiform and suspensory ligaments of penis
2. Pubic symphysis
3. Pubis
4. Pectineus muscle
5. Urinary bladder
6. Prostatic venous plexus (anterior venous plexus of Santorini)
7. Urethra
8. Capsule of prostate
9. Lateral venous plexus (neurovascular bundle)
10. Levator ani muscle
11. Ischiorectal fossa
12. Anus
13. Ischium
14. Coccyx
15. Femoral artery, vein and nerve
16. Obturator externus muscle
17. Prostate (anterior portion, anterior fibromuscular stroma, Isthmus)
18. Prostate (central portion, transition zone)
19. Prostate (central portion, central zone)
20. Prostate (middle lobe with seminal colliculus)
21. Ejaculatory duct
22. Prostate (peripheral zone)
23. Obturator internus muscle
24. Gluteus maximus muscle
25. Anococygeal ligament

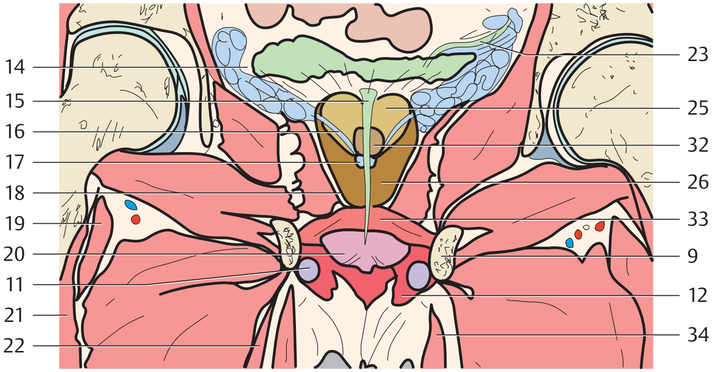




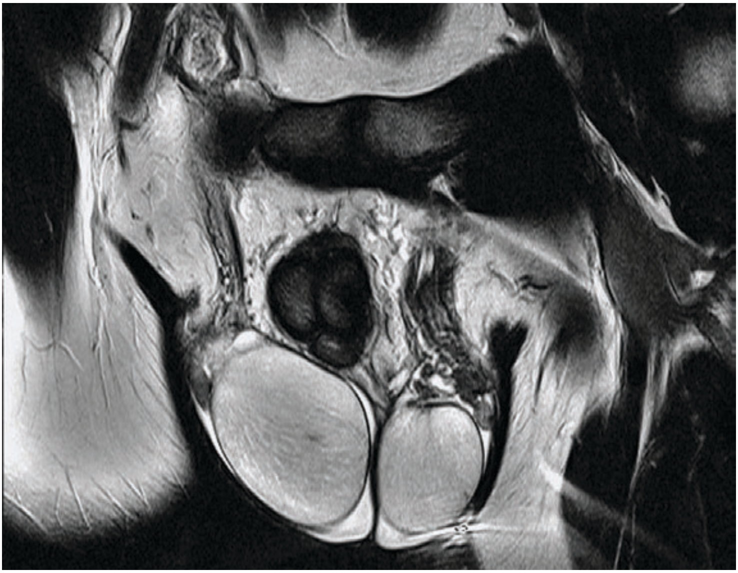


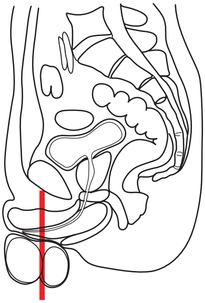
1. Ilium (acetabular roof)
2. Hip joint
3. Urinary bladder
4. Ligament of head of femur
5. Seminal vesicle

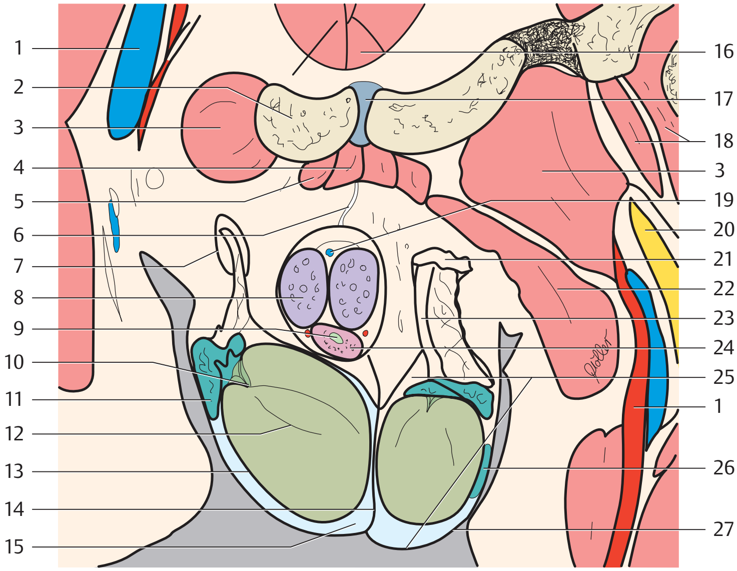




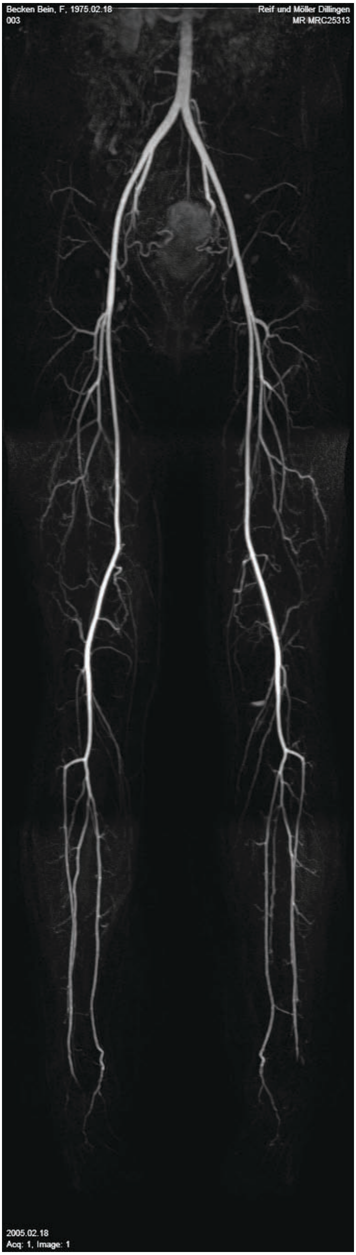
6. Obturator internus muscle
7. Levator ani muscle
8. Medial circumflex femoral artery
9. Pubis
10. Adductor minimus muscle
11. Corpus cavernosum
12. Ischiocavernosus muscle
13. Adductor brevis muscle
14. Lateral venous plexus
15. Urethra
16. Ejaculatory duct
17. Colliculus seminalis (openings of the ejaculatory duct)
18. Capsule of prostate
19. Pectineus muscle
20. Corpus spongiosum
21. Iliopsoas muscle
22. Adductor magnus muscle
23. Ureter
24. Head of femur
25. Central zone of prostate
26. Peripheral zone of prostate
27. Anterior fibromuscular stroma (anterior portion) of prostate
28. Obturator externus muscle
29. Prostatic venous plexus and puboprostatic ligament
30. Urogenital diaphragm
31. Bulbospongiosus muscle
32. Prostate (middle lobe with seminal colliculus)
33. Urethral sphincter muscle and urogenital diaphragm
34. Gracilis muscle



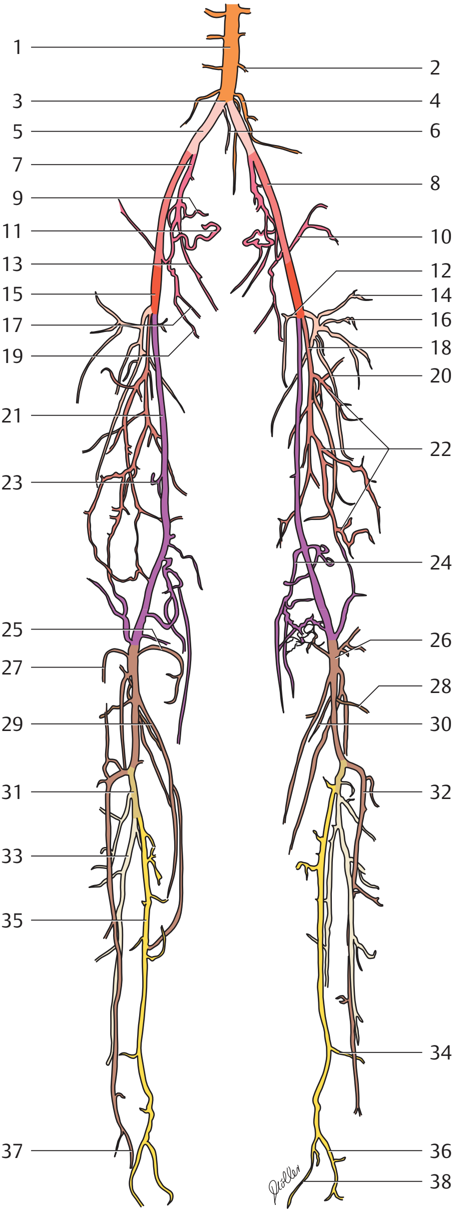




1. Femoral artery and vein
2. Pubis
3. Pectineus muscle
4. Adductor longus muscle
5. Adductor brevis muscle
6. Suspensory ligament of penis
7. Superficial inguinal ring
8. Corpus cavernosum
9. Urethra
10. Mediastinum of testis
11. Epididymidis (head)
12. Septa testis
13. Tunica albuginea
14. Septum of scrotum
15. Scrotal cavity
16. Pyramidalis muscle
17. Pubic symphysis
18. Iliopsoas muscle
19. Deep dorsal vein of penis
20. Femoral nerve
21. Spermatic fascia and cremaster muscle
22. Obturator externus muscle
23. Ductus deferens
24. Corpus spongiosum
25. Left scrotal cavitiy
26. Epididymidis (body)
27. Wall of scrotum (with dartos fascia, spermatic fascia, and cremaster muscle)



1. Abdominal aorta
2. Lumbar artery (IV)
3. Aortic bifurcation
4. Iliolumbar artery with lumbar artery (V)
5. Right internal iliac artery
6. Median sacral artery
7. Right common iliac artery
8. Left external iliac artery
9. Lateral sacral artery
10. Superior gluteal artery
11. Middle rectal artery
12. Medial circumflex femoral artery
13. Uterine artery with vaginal artery
14. Ascending branch of lateral circumflex femoral artery
15. Femoral artery
16. Transverse branch of lateral circumflex femoral artery
17. Obturator artery
18. Deep artery of thigh (deep femoral artery)
19. Internal pudendal artery
20. Descending branch of lateral circumflex femoral artery
21. Femoral (superficial femoral) artery
22. Perforating arteries of deep artery of thigh (deep femoral artery)
23. Muscular branches of femoral (superficial femoral artery)
24. Descending genicular artery
25. Superior medial genicular artery
26. Popliteal artery
27. Superior lateral genicular artery
28. Inferior lateral genicular artery
29. Sural arteries
30. Inferior medial genicular artery
31. Common trunk of posterior tibial and fibular arteries
32. Anterior tibial artery
33. Fibular (peroneal) artery)
34. Communicating branch of posterior tibial artery
35. Posterior tibial artery
36. Lateral plantar artery
37. Dorsalis pedis artery
38. Medial plantar artery


1
2
3
4
5
6
7
8
9
11
10
13
12
15
14
17
16
19
18
20
21
22
23
24
25
26
27
28
29
30
31
32
33
35
34
37
36
38

Bibliography

Austen, W.G., J. Edwards, R.L. Frye et al.: A reporting system on patients evaluated for coronary artery disease. Report of the Ad Hoc Committee for Grading of Coronary Disease, Council on Cardiovascular Surgery, American Heart Association. Circulation 51 (Suppl 4): 5–40, 1975

Beyer-Enke, S.A., K. Tiedemann, J. Görich, A. Gamroth: Dünnschichtcomputertomographie der Schädelbasis. Radiologe 27: 438–488, 1987

Cahill, D.R., M.J. Orland, C.C. Reading: Atlas of Human Cross-Sectional Anatomy. Wiley-Liss, New York, 1995

Chacko, A.K., R.W. Katzberg, A. MacKay: MRI Atlas of Normal Anatomy. McGraw-Hill Inc., New York, 1991

Dauber, W.: Pocket Atlas of Human Anatomy, 5th ed. Thieme, Stuttgart 2007

El-Khoury, G.Y., R.A. Bergman, E.J. Montgomery: Sectional Anatomy by MRI/CT. Churchill Livingstone, New York, 1990

Goo, H.G. et al.: CT of congenital heart disease: normal anatomy and typical pathologic conditions. Radiographics 23: S147–S165, 2003

Hoffmann, U., A.J. Pena et al.: Cardiac CT in emergency department patients with acute chest pain. Radiographics 26: 963–980, 2006

Hombach, V., O. Grebe, R.M. Botnar: Kardiovaskuläre MRT. Schattauer, Stuttgart, 2005

Kahle, W., H. Leonhard, W. Platzer: Color Atlas and Textbook of Human Anatomy. Thieme, Stuttgart, 2002

Koritke, J.G., H. Sick: Atlas of Sectional Human Anatomy. Urban & Schwarzenberg, Baltimore – Munich, 1988

Lombardi, M., C. Bartolozzi: MRI of the Heart and Vessels. Springer, Milan, 2005

Meschan, I.: Synopsis of Radiologic Anatomy. Saunders, Philadelphia, 1978

Moeller, T.B., E. Reif: MR Atlas of the Musculoskeletal System. Blackwell Science, Boston, 1994

Moeller, T.B., E. Reif: Pocket Atlas of Radiographic Anatomy. Thieme, Stuttgart, 2000

Nagel, E., A.C. van Rossum, E. Fleck (eds): Kardiovaskuläre MRT. Steinkopff, Darmstadt, 2002

Netter, F. H.: Atlas of Human Anatomy, 4th edn. Saunders, Philadelphia, 2006

Pannu, H.K., T.G. Flohr, F.M. Corl, E.K. Fishman: Current concepts in multidetector row CT Evaluation of the coronary arteries: principles, techniques, and anatomy. Radiographics 23: S111–S125, 2003

Rauber/Kopsch: Anatomie des Menschen. Lehrbuch und Atlas (Hrsg. H. Leonhardt, B. Tillmann, G. Töndury, K. Zilles). Thieme, Stuttgart 2003

Reiser, M.F., M. Takahashi, M. Modic, C.R. Becker (Editors): Multislice CT. Springer, Berlin 2004

Richter, E., T. Feyerabend: Normal Lymph Node Topography. Springer, Berlin, 1991

Rummerny, E.J.: Ganzkörper-MR-Tomographie. Thieme, Stuttgart, 2006

Schünke, M., E. Schulte, U. Schumacher, L.M. Ross, E. Lamperti: Thieme Atlas of Anatomy: Neck and Internal Organs. Thieme, New York, 2006

Stark, D.D., W.G. Bradley: Magnetic resonance imaging. Mosby, St. Louis, 1999

Tiedemann, K.: Anatomy of the Head and Neck. VCH, Weinheim, 1993

v. Hagens, G., L.J. Romrel, M.H. Ross, K. Tiedemann: The Visible Human Body. Lea & Febiger, Philadelphia, 1991

Witzig, H.: Punkt-Punkt-Komma-Strich. Falken, Niedernhausen, 2000

Index

A

abdomen 84–161
axial 84–131
  coronal 150–161
  sagittal 132–149
acetabular lip 177, 179
acetabular roof 175, 189, 197–201, 217, 228
acromioclavicular joint 52
adipose tissue
  renal sinus 103, 105
  subpericardial 33–39
ampulla of ductus deferens 125
anal canal 183, 191
anus 154, 182–183, 191, 205, 209, 227
aorta 154, 182
  abdominal 51–53, 79, 87–89, 93–111, 163–165, 195–197, 233
  ascending 13–19, 31–38, 48, 59–63, 71–79
  bifurcation 163, 197
  descending 13–29, 37–39, 55, 65–67, 71, 79–81, 143, 159
  thoracic 161
aortic arch 11, 40, 51–59, 65, 77–79
aortic bulb 37–38
aortic hiatus 91
aortic valve 37–38, 48, 71–79
aorticopulmonary window 13, 39–40, 52
aponeurosis, gluteal 171–173
appendix, vermiform 153–155
areolar duct 83
arteries
  anterior thyroid 79
  anterior tibial 233
  appendicular 153
  axillary 7–9, 51
  brachial 55
  brachiocephalic 7, 9
  circumflex femoral 197, 233
  circumflex fibular 233
  colic 139
  colic media 143
  common carotid 7–9, 38, 51
  common hepatic 79, 165
  common iliac 119, 139–143, 155, 185, 211–219
    left 163
    right 163
  coronary 69
  deep of thigh 195–197
  descending genicular 233
  dorsal pedis 233
  epigastric 117–121
  external iliac 119–125, 153–155, 163, 171, 173–175, 187, 195–197, 215, 233
  femoral 131, 177–181, 189, 193–195, 217, 227, 231, 233
  fibular 233
  gastric 147
  gastroduodenal 79, 165
  gastroepiploic 139, 151
  hepatic 90, 137, 154, 165
  ileal 101–119, 165
  ileocolic 153–155, 165
  iliolumbar 189, 199, 233
  inferior epigastric 119, 125, 171
  inferior gastric 123
  inferior gluteal 119, 125, 207
  inferior lateral genicular 233
  inferior medial genicular 233
  inferior mesenteric 141–143, 155, 195, 215
  inferior pancreaticoduodenal 97
  intercostal 133, 137–139
  internal carotid 3–5
  internal iliac 119–123, 155–157, 163, 175, 185, 199–203, 211, 215, 221, 223–225
  internal pudendal 131, 221, 223, 233
  internal thoracic 13, 17–25, 47
  jejunal 101–111, 153, 165
  lateral circumflex 131
  lateral femoral circumflex 233
  lateral plantar 233
  left colic 115–119, 155
  left common iliac 113–115, 197
  left coronary 19–21, 38, 45, 51, 59–69
    anterior interventricular branch 40, 45, 59–63, 69
    circumflex branch 25, 40, 45–49, 61, 67
    interventricular branch 23
    left marginal branch 59
  left external iliac 233
  left gastric 79, 85–87, 141–121, 165

- left gastroepiploic 153
- left hepatic 165
- left internal thoracic 79
- left pulmonary 15, 40–43, 55–59, 67, 75–77, 81
  - lateral basal branch 81
  - lingular branch 81
  - posterior basal branch 81
  - upper lobe 81
- left renal 79, 97–101, 143, 157, 163
- left subclavian 49, 79
- left testicular 101–107, 109
- left vertebral 79
- lumbar 79, 99–101, 163, 199–201, 217, 233
- medial circumflex femoral 201, 217–219, 229, 233
- medial plantar 233
- median sacral 233
- middle colic 115
- middle rectal 233
- obturator 127–139, 175, 187, 217–221, 233
- ovarian 171, 185
- peroneal 233
- popliteal 233
- posterior gastric 85
- posterior intercostal 41
- posterior tibial 233, 235
- pulmonary 57, 65, 73
- renal 137–139, 145, 158, 162–163
  - inferior capsular branch 163
- right colic 109–113, 117, 153, 165
- right common carotid 48, 79
- right common iliac 113–115, 195–197, 233
- right coronary 19, 21–25, 31–35, 49, 51, 59–63, 67, 73
  - posterior interventricular branch 33, 37, 61–63, 69
  - right marginal branch 37
  - terminal branch 33
- right deep cervical 79
- right hepatic 165
- right internal iliac 233
- right internal thoracic 79
- right pulmonary 15–17, 31–34, 37, 51–52, 55, 81
  - anterior basal branch 81
  - ascending branch 81
  - basal part 81
  - inferior lobe 81
    - superior branch 81
  - superior lobe 81
    - apical branch 81
    - posterior branch 81
- right renal 79, 97–101, 163
- right subclavian 79
- right testicular 103–109
- right vertebral 79
- sigmoid 155, 195, 203–205
- splenic 79, 145–149, 155–181, 163–165
- subclavian 3–9, 31–32, 39–48
- superficial epigastric 127–139, 193
- superficial femoral 233, 235
- superior gluteal 161, 187–189, 199, 203, 207, 225, 233
- superior lateral genicular 233
- superior mesenteric 79, 88, 91–111, 143, 153–154, 165, 195
- superior rectal 121–121, 155–161, 171, 183, 199–201, 219–223
- superior vesical 221
- suprarenal 89
- sural 233
- testicular 111–115
  - sinister 105
- thigh 233
- thoracodorsal 11–15
- thyroidea ima 47–49
- uterine 199, 233
- vaginal 2333
- vertebral 41–49

articular process (zygapophysis) 143, 161
- inferior 143, 161, 213–225
- superior 33, 143, 161

atrioventricular (mitral) valve
- left 41–43, 51, 65–67, 71

atrioventricular (tricuspid) valve
- right 23–25, 33–39, 67, 75

atrium
- left 17–23, 33–43, 51–53, 61, 65–67, 71, 79, 81
- right 21–25, 31–37, 47–51, 61, 67, 73–75, 139–141

auricle
- left 40, 49, 59–61, 65
- right 19, 31–35

B

bile duct 90, 137–139, 169
brachial plexus 3–7, 43–45
brachiocephalic trunk 32–36, 48, 73–75, 79
breast
  glandular tissue 17, 47–49
    left 47–49
    right 47–51
bronchus(i)
  inferior lingular 45
  left inferior lobar 17–21, 45
  left main 65
  left superior lobar 45
  main stem
    left 13–15, 39–43, 55
    right 13–15, 31, 55
  right inferior lobar 17–19, 55
  superior lingular 45
bulb, aortic 71–75, 79
bulbourethral gland 209
bursa
  omental 103, 143, 153

C

caecum see cecum
canalis cervicis 183
capsula articularis 221
cardia notch 85
cartilage
  thyroid 47
cauda equina 141, 161, 183, 202, 211, 221
cecum 117, 133–135, 151–153, 157
celiac trunk 79, 85
cervical canal 191, 203
cervical plexus 51, 52
cervix
  uterus 203
cisterna chyli 105
clavicle 3–7, 31–34, 38–40, 45–50
clitoris
  body 183
  crus 197
coccyx 129, 177, 183, 209–213, 227
c(o)eliac trunk 89, 143, 156, 164–165
colic flexure
  left 85–87
  right 97, 101–103
colliculus seminalis 229
colon 189
  ascending 105–115, 137, 153–181, 195–197
  descending 89–103, 111–119, 147–149, 153–161
  sigmoid 121–123, 151–181, 199–205, 209–213, 217–223
    distal part 171
  transverse 89–103, 105–107, 113–117, 135–151
conus arteriosus 19–21, 41, 47
Cooper’s ligament 83
coracoid process 3, 51
cords, tendinous 71
coronary sinus 37–41, 51
corpus cavernosum (penis) 209–219, 229–231
corpus spongiosum (penis) 209–219, 229–231
costal cartilage 43
costodiaphragmatic recess 49–55, 85–95, 135–137, 149, 153–181
costovertebral joint 3–5, 21, 27
crista terminalis 21
cystic duct 169
  pars flaccida 169
  spiral fold 169

D

dartos fascia 231
diaphragm 27–57, 85–105, 133–152, 157–158, 161
  costal part 133, 145–147
  costodiaphragmatic recess 133
  lumbar part 37, 139, 143–147
    right crus 158, 161
  urogenital 203, 209–213, 217–221, 229
duct
  ejaculatory 209, 227–229
    opening 229
ductus deferens 231
  ampulla 127
duodenal papilla 169
duodenal recess
  inferior 95–97
  superior 91
duodenojejunal flexure 101
duodenum 97–103, 137–139, 155–157,

  169
  descending part 88, 93–95, 141–143, 158
  horizontal part 155
  superior part 90

E

endometrium 191
epididymis 209, 213–215
  body 231
  head 231
esophagus 3–7, 11–29, 35–39, 51–55, 65, 143
  hiatus 159
extremity
  lower
    MR-arterial angiography 232–233

F

facies lunata acetabuli 217
fascia lata 129–131
fascia thoracolumbar 143, 213
fatty island 83
femur 181
  head 129, 175, 179, 197–201, 217–219, 229
    ligament 217–219, 228
  intertrochanteric part 131
  neck 199–201, 217–219
fissura oblique 43
flexure
  left colic 153–157
  right colon 133, 151–153
foramen 33
  epiploic 89
  intervertebral 143, 213
  sacral
    I 119
    II 121
    III 121
fossa, glenoidalis 53
fossa acetabuli 189
  ischioanal 207
  ischiorectal 129–131, 201–205, 223–227
  paravesical 125
fovea capitis femoris 189
fovea for ligament of head 217

G

gallbladder 90–101, 135, 153
  body 169
gallbladder neck 169
glandular body 83
glenohumeral joint 55
glenoid cavity 51, 55
gluteus minimus 119–121, 125–131, 153–155, 171, 175–177, 189, 195–203, 217–218, 221
groove
  medial of psoas muscle 115, 119
gutter
  of psoas muscle 113
    lateral 117
    medial 117

H

heart 83, 143–147
  apex 49, 59, 65–67, 71, 149–151
  base 27
  computed tomography 58–79
hepatic duct 169
  common 169
  left 169
  right 169
hepatorenal recess 95–107
hiatus sacralis 124
hilum
  of liver 89–101
  renal 99–103
  of spleen 89
hip joint 155, 175, 201, 217–219, 228
humerus
  head 3, 51–55

I

ileum 103–107, 111–115, 119, 139, 155–157, 171
  acetabular roof 155
  ala 115–117, 121, 159–161, 195–202, 223
  body 123–127, 189, 197–201
  terminal 113, 153–155
iliac crest 133–134, 145, 153–161, 195–202, 221–223
iliac spine 137–139, 149

  anterior superior 151, 193
  superior 189
iliotibial tract 179–181, 199–201
ilium 115, 119, 147, 153, 157, 171–177, 187, 193, 207, 217–218, 221–228
infrapiriform opening 125
inguinal canal 127, 215
inguinal ring
  superficial 231
interarticular septum 35
interventricular septum 23, 41, 45, 49, 67–73, 77
intervertebral disk 50
  (L1–L2) 141
  (L2–L3) 143, 160, 199
  (L3–L4) 157
  (L4–L5) 182, 217–219
  (L5–S1) 213
  (S1–S2) 205, 223
  (T9–T10) 55
intervertebral space 33–39
intestine
  small 133–139, 143–149, 159, 173, 183–187, 193, 209–217
ischial spine 177, 187
ischial tuberosity 179–181, 189, 221–223
ischiorectal fossa 185
ischium 129–131, 185, 203–205, 215, 225–227
  ramus 199–203

J

jejunum 89–113, 121, 133–135, 151, 155–157, 195–197
jugular notch 47

K

kidney 53, 201–202
  fatty capsule 147–149, 205
  left 45, 89–93, 105–117, 145–149, 159–161
  right 95–99, 103, 109, 133–137, 158, 161, 199

L

labium majus 183, 191, 195–197
labium minus 183, 191, 199, 203
labrum glenoidale 217
lateral sacral 211, 215
ligamenta flava 35–39, 57, 141, 161, 183, 209–211
ligaments
  anococcygeal 183, 191, 209–211, 227
  anterior longitudinal 35, 39, 50, 53, 141–143
  arcuate pubic 191, 209
  coracoclavicular 51
  dorsal sacroiliac 161, 185–187, 207
  falciform of liver 151–152
  fundiform of penis 227
  head of femur 177, 217–219, 228
  hepatoduodenal 89
  iliofemoral 179, 197–203, 217–219
  iliolumbar 203
  interosseous sacroiliac 223
  interspinal 37, 55–57, 205–209
  interspinous 225
  posterior longitudinal 183, 209
  puboprostatic 229
  round 89
    of liver 88–90
    notch for 89
  round of uterus 173, 185–187
  sacroiliac 205
  sacrospinous 175–177
  sacrotuberous 171, 185
  sternopericardial 47
  supraspinous 3, 37
  suspensory of penis 129–131, 209, 227, 231
  transverse perineal 197
  uterosacral 175
linea alba 88, 109–111
liver 27, 31–57, 69, 75–77, 90, 93–107, 135, 141–145
  bare area 85–87
  caudate lobe 85–88, 141
  falciform ligament 151–152
  hilum 89–91
  left lobe 29, 85, 88, 91–93, 151–153
  quadrate lobe 139
  right lobe 29, 85–87, 133–137, 151–161
  round ligament 88
lobus medius 227
lumbar plexus 115–117, 159, 185–187
lumbar triangle 109
lumbosacral plexus 139, 145
lung 141, 145–149

  - apical part 53
  - inferior lobe 43
  - left 2, 5–27, 36–42, 47–49, 53–57, 65–77, 85–89, 151–161
  - lower lobe 2, 10–28, 12–30, 42–45, 54–55, 54–56
  - middle lobe 2, 18–30, 46, 54
  - right 2, 7–34, 47–48, 51–57, 67–77, 83, 133, 137–139, 151–162, 156–161
    - retroesophageal recess 19
    - upper lobe 2, 6–12, 16, 30, 46, 54–56
  - upper lobe 2, 6–8, 12–16, 42–46
- lymph nodes
  - anterior cervical 3–5
  - anterior mediastinal 7–17, 31–33, 37–41, 47–49
  - of aorticopulmonary window 13–15
  - aortopulmonal 41
  - axillary 53
  - bronchopulmonary 15–21, 31, 39–41, 53
  - coelic 143, 153
  - common iliac 97, 113–121, 139–145, 155, 183, 195, 211–217
  - cystic 93
  - deep axillary 5–7, 51
  - deep cervical 31–33, 39–43
  - deep inguinal 175–181, 189, 197
  - external iliac 123–127, 171–175, 185–187, 195–197, 215
  - gastro-omental 139–145, 151–157
  - gluteal 187–189, 205–207, 215
  - hepatic 89, 137–139
  - inferior diaphragmatic 85–87, 159
  - inferior gluteal 123, 225
  - inferior mesenteric 155, 195
  - inferior phrenic 29, 37
  - inguinal 129–131, 187
  - intercostal 5–29, 43, 85–87, 91–111
  - internal iliac 157, 171, 185, 199, 201–203, 215, 221–223
  - interpectoral 7–11
  - jugular 3–5
  - juxtaesophageal 17–25, 35–37, 55
  - juxtaintestinal 145–153, 157, 171–173, 195
  - juxtaintestinal mesenteric 183, 209–211
  - lateral pericardial 23–27, 47
  - lateral vesical 215–199
  - left gastroomental 29
  - lumbar 13–15, 93–113, 143, 155–157, 195–197
  - medial lacunar 177
  - mesenteric 135–137, 141–143
  - nuchal 43–45
  - obturator 173–177, 187
  - pancreatic 89, 139–149, 159
  - para-aortal 15–29
  - paracolic 135–137, 149, 153–181, 171
  - paraesophageal 3–15
  - paramammary 23
  - pararectal 125–131, 171–181, 185, 205–207, 213, 223–225
  - parasternal 11–27, 33, 37–41
  - paratracheal 3–11, 15, 33–37, 49–53
  - parauterine 173–175, 185, 201–205
  - paravaginal 177–181, 185, 199–203
  - paravertebral 7–13, 17–37, 41
  - paravesical 175–177, 195–197
  - postcaval 139–143
  - posterior intercostal 31, 41
  - postvesical 177–179, 199, 209–211, 223
  - preaortic 155
  - prepericardial 19–27, 35, 43–45
  - presacral 183, 203, 209–213, 221–225
  - prevertebral 39, 51–55, 157–159, 199, 209, 217
  - prevertebral anal 183
  - prevesical 179, 183, 209–213
  - promontorial 119, 183, 199–203, 209, 219
  - pulmonal 43–45
  - rectal 179
  - right gastric 29
  - right gastro-omental 147
  - Rosenmüller–Cloquet 177
  - sacral 121–123, 171–175
  - splenic 149, 159–161
  - subclavicular 3
  - superficial axillary 9–11, 51
  - superficial cervical 31, 41–45, 49
  - superficial inguinal 177–181, 193, 195
  - superior diaphragmatic 85–91, 159–161
  - superior gluteal 171–175, 225
  - superior mesenteric 81–93, 153, 195
  - superior phrenic 27–29, 37
  - supraclavicular 3, 31–33, 43–45, 49
  - thyroid 33, 39
  - tracheobronchial 13, 35–39

M

mammary duct 83
mammography, MR 82–83
manubrium of sternum 7–11, 34–40
mediastinum
  posterior 85–91
  of testis 231
mesentericocolic gutter
  left 93, 97–111, 113–119
  right 111–117
mesentericocolic recess
  left 95
mesenterium 103–107, 111
mesentery 137, 143, 147, 195, 209–211
  root of 101
mesocolon
transverse 103–109
MRCP 168–169
muscles
  adductor brevis 185–189, 195–197, 213–219, 229–231
  adductor longus 185–189, 193–197, 215–195, 231
  adductor magnus 185–189, 199–203, 215, 219–225, 229
  adductor minimus 217–219, 223–225, 229
  anterior papillary 39, 45, 69, 73
  anterior scalene 3, 43–45, 49
  anterior serratus 45, 83
  anterior superior iliac 217–218
  biceps 53
  bulbospongiosus 201–203, 209–213, 217–221, 229
  coccygeus 215
  coracobrachial 53
  cremaster 231
  deep part 211
  deep transverse perineal 183–185, 191, 199–203
  deltoid 3–9, 49, 57
  erector spinae 3–7, 11, 15–33, 39–41, 57, 133–149, 183–185, 203–213
  external abdominal oblique 133, 149–153, 157–159, 193–203, 217–218
  external anal sphincter 183, 191, 205–207, 213, 223–225
    subcutaneous part 211
    superficial part 211
  external intercostal 133–135, 151–155, 161
  external oblique 29, 85–95, 99–117, 133–135, 139, 155, 221
  gemellus inferior 179, 189, 205, 221–223
  gemellus superior 177, 189, 205, 223–225
  gluteus maximus 117–119, 135, 147–149, 161, 171–181, 185–189, 203–207, 213–215, 221–227
  gluteus medius 115–127, 133–135, 149–151, 171–179, 189, 193–205, 218, 221–225
insertion 221
  gluteus minimus 221
  gracilis 199–201, 215–221, 229
  iliacus 115–119, 133, 149–157, 171, 187–189, 195–201, 217–218
  iliocostalis 57, 161, 187–189, 203–207
    thoracic part 85–91
  iliocostalis lumborum 103–111, 149
  iliopsoas 121–131, 151, 173–179, 189, 193–201, 217–219, 229–231
  infraspinatus 3–17, 52, 57
  infraspinous 5
  intercostal 5–31, 41–49, 53–57, 137–139, 147–149
  internal abdominal oblique 149–161, 171–175, 193–203, 217–218
  internal intercostal 133–135, 151
  internal oblique 93–109, 113–121, 133–135, 221
  interspinales lumborum 185
  interspinalis 205
  intertransversarii 145, 205
  ischiocavernosus 213, 217–225, 229
  lateral lumbar 145
  levator scapulae 45, 55–57
  longissimus 57, 205–207, 215
  longissimus thoracis 85–115
  longus colli 3, 31–33, 41, 50–52
  lumbar iliocostalis 185
  lumbar interspinal 183
  lumbar intertransversarii 203
  medial scalene 3, 45, 50
  multifidus 33–35, 39–45, 55, 203–205, 211, 225
  obturator 203
  obturator externus 129–131, 179–181, 187–189, 195–201, 213–221, 227–231
  obturator internus 125–131, 173–181, 185–189, 199–205, 215–219, 223, 227–229

  omohyoid 32–38, 47
  papillary 71, 77
  papillary of left ventricle 49
  pectineus 131, 179–181, 185–189, 193–197, 217–219, 227–231
  pectoralis 83, 137–139, 145
  pectoralis major 3–15, 19, 31–33, 40–48, 147–149
  pectoralis minor 3–15, 47–48
  piriformis 123–127, 159–161, 171–173, 177, 185–187, 205–207, 215, 223–225
  posterior papillary 43, 65, 69, 73
  posterior scalene 3, 43–45, 50–52
  posterior serratus 39, 43–45, 57
  posterior serratus superior 35, 41
  psoas 107
    gutter 113
      lateral 117
      medial 117
    medial groove 115, 119
  psoas major 95–119, 135–139, 145–147, 153–161, 185–189, 195–202, 217–218
  pubovaginalis 203
  pyramidalis 193, 231
  quadratus femoris 131, 179–181, 189, 203–205, 221, 223–225
  quadratus lumborum 95–113, 133–139, 147–149, 159–161, 185, 189, 201–203, 223–225
  rectus abdominis 27–35, 39–43, 85–88, 91–93, 97–101, 105–129, 135–151, 171–179, 183–193, 209–215
  rectus femoris 129–131, 173–181, 193–197
  rhomboid 3–7
  rhomboid major 9–17, 35, 39–45
  sartorius 123–127, 171–179, 195
  semimembranosus 189
  semispinalis capitis 31–35, 39
  semispinalis cervicis 55
  semispinalis thoracis 33–35, 39
  semisplenius cervicis 41
  semisplenius thoracis 41–45
  semitendineus 215
  semitendinosus 203–205
  serratus posterior inferior 133–135, 149, 205
  spinalis 85–119, 207
  splenius cervicis 57
  splenius cervicis and capitis 31–35, 39–43
  sternocleidomastoid 3–5, 31–34, 40, 47–48
  sternohyoid 32–38, 47
  sternothyroid 3, 32–38, 47
  subclavius 5, 49–51
  subscapularis 5–17, 51–57
  supraspinatus 3, 7–9, 51–57
  tensor fasciae latae 125–131, 171–181, 193–197
  teres major 5–17, 57
  teres minor 13, 55–57
  thorax 151
  transversospinales 57, 161, 205–207, 221
  transversus abdominis 103–121, 133–135, 149–161, 171–175, 193–203, 217–218, 221
  transversus thoracis 133–139, 145–147
  trapezius 3–11, 15–25, 31–45, 51–57
  triceps 53–55
  triceps brachii 7
    long head 7
  urethral sphincter 183, 229
  vastus intermedius 179, 199, 217–219
  vastus lateralis 179–181, 193–203, 217–225
myocardium 23, 41
  ventricular 25, 65–73, 77
myometrium 191

N

nerves
  anterior sacral 119
  axillary 51
  femoral 113, 123, 127–139, 137, 153, 157, 171, 175–181, 185–189, 193–201, 217, 227, 231
  inferior gluteal 207
  intercostal 133, 137
  internal obturator 171
  lateral femoral cutaneous 181, 185
  long thoracic 17–21
  lumbar V 115
  median 53
  obturator 173, 177, 201, 218–219
  phrenic 9–15, 21–25, 48
  posterior sacral I 119
  recurrent laryngeal 7–9, 13–15
  sacral 185, 207, 215, 223

  sacral II 121
  sacral III 121
  sciatic 129–131, 171–181, 189, 205, 225
  spinal 93, 211
  spinal (L5) 225
  spinal (T9) 57
  vagus 3–5, 9, 25–29
nipple 83
  glandular tissue 17
notch
  for round ligament 89–91

O

oblique fissure 45
obturator canal 131
obturator membrane 131
omental bursa 89, 95
  vestibule 93
omentum
  greater 89–91, 95–101, 105–113, 119, 137–147, 151
  lesser 141, 151
orbicular zone 219
os ischii 187
ostium cardiacum 85
ostium uteri 183
oval fossa 51
ovary 187
  left 171
  right 171

P

palmate folds 191
pancreas 89–95, 139–149
  body 153–155
  head 154, 157
  tail 159
pancreatic duct 169
paracolic gutter
  left 85–91, 117–119
  right 109–117
paravesical fossa 123
pedicle 143
pelvis
  female 170–207
    axial 170–181
    coronal 192–207
    sagittal 182–191
  male
    coronal 216–225
    sagittal 208–213
penis
  deep dorsal vein 231
  dorsal vein 213
  fundiform ligament 227
  root 131
  suspensory ligament 129–131, 209, 227, 231
  transverse sinus 37–39
pericardium 20–26, 30, 34–36, 39, 42–44, 50–52
perineal body 191, 209
phrenicomediastinal recess 47–49, 53
pinous process, (T6) 35
pleura
  parietal, costal part 151
portio 183, 191
presacral space 171, 183, 209–213
promontorium 141, 209
prostate 129–131
  anterior fibromuscular stroma 209–211, 227–229
  anterior portion 227–229
  axial 226–229
  capsule 227–229
  central portion 227
  central zone 209–211, 219–221, 229
  isthmus 227
  peripheral zone 209–213, 219–221, 227–229
  transition zone 219, 227
pubic symphysis 131, 181, 193, 227, 231
pubis 129, 183–185, 191–197, 209–219, 227–231
  body 181, 189
  superior ramus 131, 179, 187
pulmonary trunk 15–17, 38, 49–51, 59, 75, 77
  valve 41, 47, 75, 77

R

recto-vesical pouch 123–127, 209–213
rectouterine pouch (of Douglas) 175, 183, 191
rectum 121–131, 161, 173–183, 191, 205, 209–213, 225
  ampulla 129, 207, 223
  wall 221

renal calices 97
renal cortex 95, 99–101
renal fascia 91–97, 103
renal hilum 99–103
renal pelvis 99–107
renal pyramids 93–107
renal sinus 93–97, 103–107
retropubic space 129–131, 209–213
ribs 3–31, 47–57, 145, 149
  costal cartilage 23–25, 43
  first 3–7, 47
  second 5–7
  third 7, 43, 57
  fifth 49
  sixth 45–47, 51
  seventh 43, 53, 151–153, 159
  ninth 57
  tenth 55
  eleventh 157, 161, 202
root of mesentery 101

S

sacral canal 121–123
sacral plexus 119, 123, 223
sacroiliac joint 121, 159–161, 202–207, 221–225
sacrum 119–121, 125, 141, 159–161, 171–173, 183–188, 202–205, 211–213, 221, 225
  ala 147, 159, 221–223
  lateral part 207, 215
    (S1) 209, 223
sacrum (S2) 207
scapula 5–21, 45, 50, 57
scrotal cavity 231
  left 231
scrotum
  septum 231
  wall 231
seminal colliculus 209, 227
seminal gland 209–215, 221–225, 228
septa testis 231
septum 71
  atrioventricular 67, 71–73
  interarticular 35
  interatrial 67
  interventricular 23, 41, 45, 49, 67–73, 77
  of scrotum 231
shoulder joint 55
  articular cavity 51, 55
sinister 105
sinus
  coronary 23–25, 65
  of pericardium 35
sinus. aortic 61
sinus subphrenicomediastinalis 51
spermatic cord 129–131
spermatic fascia 231
spinal cord 3–7, 11–29, 35–37, 51–57, 141, 183
thoracic part 9
spinal dura 202, 223
spine 3–11, 55
spine of scapula 7–11, 55
spinous process 23, 37, 55–57, 85, 141, 183, 207–211
spleen 29, 49–57, 85–93, 147–149, 155–161
  hilum 89
sternoclavicular joint 31–32, 38, 47
sternum 15–21, 31–32, 47, 83, 141–143
  body 13, 23, 36
  manubrium 7–11, 34–38, 40
  xiphoid process 35–37
stomach 29, 43–45, 69, 85–91, 141–143, 149–151, 159–161
  antrum 153–154
  body 153
  cardia 157
  cardiac part 145
  fundus 145–147, 153–157
  pylorus 157
subphrenic recess 93–95
  right 85–91
sulcus
  coronary 21
suprarenal gland 137, 145, 159–161
  left 89–93
sympathetic trunk 5–7, 11, 23–29, 159
symphysis 195
  pubis 227

T

tendons 179, 197
  common 179, 197
    biceps femoris muscle 179
    rectus femoris muscle 197
    semimembranosus muscle 179
    semitendinosus muscle 179
    vastus lateralis muscle 197

testes 209–215
  mediastinum 231
  sagittal 230–231
thoracic duct 11–29, 53, 87–89
thoracolumbar fascia 85, 107–111, 141
thorax 2–57
  axial 2–29
  coronal 46–57
  muscles 151
  sagittal 30–45
thymus 7, 11
thyroid gland 3–5, 36–40, 49
tissues, epicardial fatty 69
trabecula, septomarginal 67
trabeculae carneae 69
trachea 3–11, 33, 36, 47–52
  bifurcation 37
transverse process 21, 139, 185
  lumber vertebra
    (L3) 145
    (L4) 201
transverse sinus
  pericardium 39
trigonum lumbale 111
trochanter
  greater (magnus) 129, 177–179, 199–203, 217–225
  lesser 201, 221
tunica albuginea 231

U

umbilicus 141
ureter 109–127, 137, 145, 157–159, 171–179, 197–203, 219–223, 229
  left 105–107
  right 105–107
urethra 129–131, 181–183, 209–213, 227–231
  internal orifice 183, 209
urinary bladder 123–127, 153–181, 173–185, 191–201, 211–223, 227–228
uterine tube
  infundibulum 203
uterine venous plexus 185
uterus 171, 191
  body 185, 191
  cavity 173, 185, 191, 201
  cavum 199
  cervix 173, 203
  fundus 173, 185
  isthmus 185
  junctional zone 191
  round ligament 173, 185–187
  vaginal part 175, 205

V

vagal trunk 53, 159
  posterior 29
vagina 177–183, 203
  anterior wall 183
  fornix 203
  posterior wall 183, 205
  wall 191
valves
  aortic 37–38, 48, 71–75, 79
  ileocecal 155
  left atrioventricular (mitral) 41–43, 51, 65–67, 71
  pulmonary 41, 47, 75–77
  right atrioventricular (tricuspid) 23–25, 33–39, 67, 75
vein, right superior pulmonary 81
veins
  anterior branch 81
  apicoposterior branch 81
  ascending lumbar 97, 117, 157, 201, 219
  axillary 7–9, 51
  azygos 11, 17–35, 51–52, 87–89
  basilic 53
  brachiocephalic 7
    dextra 9
    sinistra 9
  common iliac 119–121, 139–143, 155, 183–185, 211, 215–219
  dorsal of penis 213, 231
  epigastric 117, 121
  external iliac 121–127, 153–155, 171–175, 187, 195–197
  femoral 131, 177–181, 189, 193–195, 217, 227, 231
  great saphenous 131, 187
  hemiazygos 89
  hepatic 31–33, 139, 156–158
  hepatic portal 87, 91, 137, 141–143, 153–156
  ileal 101–107, 111, 115–119, 167
  inferior epigastric 119, 125, 171
  inferior gastric 123
  inferior gluteal 127, 207

inferior mesenteric 97, 145, 155, 197
inferior pancreaticoduodenal 97
inferior right pulmonary 81
intercostal 133, 137
internal iliac 121–123, 157, 171, 175, 185, 199–203, 208, 215, 221–225
internal jugular 3–5
internal pudendal 221
internal thoracic 13–25, 47
jejunal 101–111, 139, 153, 176, 182
jugular 31–32, 49
lateral circumflex 131
lateral sacral 215
left brachiocephalic 34–40
left branch 139, 156, 167
left colic 89, 115–119
left common iliac 115–117
left coronary 21
left gastroepiploic 153
left inferior pulmonary 43–45, 79–81
left internal jugular 40
left pulmonary 17–21, 43, 53–55, 59–61, 67, 79
left renal 95–99, 143, 157
left superior pulmonary 79, 81
  lingular branch 81
left testicular 103, 107–119
lumbar 99–101, 199–200
middle colic 115
obturator 187, 217–221
ovarian 145, 171, 185
portal 166–167
pulmonary 31, 41, 51, 65
renal 101–103, 137–139, 145
right anterior branch 81
right brachiocephalic 11, 48, 75
right branch 167
right colic 111–113, 117
right common iliac 115
right hepatic 29, 157, 167
  right branch 158
right inferior pulmonary 79
right lumbar 103
right pulmonary 53–57, 67, 75
  middle lobe branch 81
    medial part 81
right renal 97
right superior pulmonary
sigmoid 203–205
splenic 89–93, 145–149, 155–181, 166–167
subclavian 5, 43–48
superficial epigastric 127–131
superior gluteal 161, 171, 187–189, 199, 203–207, 215, 225
superior mesenteric 95–111, 141, 153, 167, 195
superior rectal 171, 219
superior right pulmonary 81
  apical branch 81
  posterior branch 81
testicular 111–115
  sinister 105
uterine 203
vena cava
  inferior 25–27, 31–33, 51–53, 85–88, 91–107, 111–113, 139–141, 157–158, 182, 197
  left 29
  superior 13–21, 31–32, 48, 51, 59, 75
venous plexus
  anterior, of Santorini 227
  lateral 227–229
  prostatic 209–213, 219, 227–229
  rectal 205
  uterine 185, 203–205
  vesical 185, 209–213, 221–223
ventricle
  left 19, 23, 38, 41–53, 59–61, 65–81, 153–156
    myocardium 25
    papillary muscle 49
  right 23–25, 31–49, 61, 67–79, 151–156
ventricular outflow, right tract 75, 77
ventriculus sinister 155
vertebrae 31–33
  lumbar 103–113
    (L1) 39
    (L3) 143, 159, 201
    (L4) 141, 157, 182, 199, 217
    (L5) 115–117, 205, 209–213, 219, 225
  transverse process 111
  thoracic 3–21, 25–29, 37, 41, 85–91, 139
    (T9) 35
    (T10) 55, 141
    (T12) 161
vertebral arch 3, 85, 161, 205
vertebral body 39
  inferior surface 39
  superior surface 39
vertebral canal 85–119, 161, 202–211

vesicle, seminal 123–127
vesicouterine pouch 183–191
vessels
  pulmonary 80–81
vestibule of omental bursa 93

X

xiphoid process 25
  sternum 35–37

Z

zygapophysial joint 143, 205, 223
zygapophysis 223–225